NIVERSITY OF LONDON.

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UNIVERSITY COLLEGE.

REPORT OF THE COLLEGE COMMITTEE

(February 1909—February 1910),

WITH

FINANCIAL STATEMENTS

(FOR THE SESSION 1908-09),

AND

OTHER DOCUMENTS,

FOR PRESENTATION TO

THE SENATE.

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INSTITUTE OF PHYSIOLOGY. NORTH ELEVATION.

Opened by the Right Honourable R. B. HALDANE, M.P., F.R.S., *on June* 18*th*, 1909.

COLLEGE COMMITTEE

(for the Year ending February, 1910).

---

*Walter Baily, M.A.
*J. Bourne Benson, B.A., LL.D.† (Chairman of the Managing Sub-Committee).
Professor J. Rose Bradford, M.D., F.R.S.†
Sir Edward H. Busk, M.A., LL.B.† (Vice-Chairman).
Sir William J. Collins, M.D., F.R.C.S., M.P.
*Professor J. D. Cormack, B.Sc., M.Inst.E.E.
*G. Carey Foster, B.A., LL.D., D.Sc., F.R.S.†
*T. Gregory Foster, B.A., Ph.D.† (Provost).
*The Hon. Rupert Guinness.
C. Hawksley, M.Inst.C.E.
The Rt. Hon. Lord Herschell, M.V.O.
*W. How (Past Master of the Drapers' Company).
*T. Lambert Mears, LL.D., M.A.
The Rt. Hon. Lord Monkswell (deceased Dec. 1909).
W. E. Mullins, M.A.
Professor J. A. Platt, M.A.
*Professor A. F. Pollard, M.A.
*The Principal of the University (Dr. H. A. Miers).
The Rt. Hon. Lord Reay, G.C.S.I., LL.D. (Chairman).
*Sir Felix Schuster, Bart. (Treasurer).
*W. Arthur Sharpe.
*Professor E. H. Starling, M.D., F.R.C.P., F.R.S.
*Professor F. T. Trouton, M.A., F.R.S.
A. Cotterell Tupp, B.A., LL.D.

---

* Member of Managing Sub-Committee.
† Fellow of the College.

ADMINISTRATIVE OFFICERS.

Provost.—T. GREGORY FOSTER, B.A., PH.D.*

OFFICE STAFF.

Secretary.—WALTER W. SETON, M.A.
Accountant.—ARTHUR J. SHORT.
Cashier & Ædile.—ALFRED E. G. ATTOE.
Senior Clerk.—F. BUTLER.
Junior Clerk.—G. WILLIAMS.
Confidential Clerks—FRANCES E. CRAGGS; ETHEL L. BURR; BESSIE G. GREIG; SOPHIE SHEPPARD.

LADY SUPERINTENDENT OF WOMEN STUDENTS.

MISS ROSA MORISON.

AUDITOR.

G. W. KNOX, B.Sc., F.C.A.

HONORARY SANITARY ADVISER.

Professor H. R. KENWOOD, M.B., D.P.H.

LIBRARY STAFF.

Librarian.—R. W. CHAMBERS, M.A.*
Assistant Librarian.—L. NEWCOMBE.
First Library Assistant.—R. OFFOR.
Junior Library Assistants—W. BONSER; L. ELLSTON; A. L. EDWARDS.

STEWARD.

Colour-Sergeant H. BATCHELOR.

FOREMAN OF COLLEGE BUILDINGS.

W. H. WILLSTEED.

* Fellow of the College.

PROFESSORIAL BOARD.

Chairman.—T. GREGORY FOSTER, B.A., Ph.D.†

	Appointed§
T. W. Arnold, M.A.	1904
L. D. Barnett, M.A., D.Lit.	1906
J. F. Blumhardt, M.A.	1896
Louis M. Brandin, M.A., Ph.D.	1901
Fredk. Brown	1892
A. J. Butler, M.A.	1898
M. O. B. Caspari, M. A.	1908
Osbert Chadwick, M.Inst.C.E., M.Inst.M.E., C.M.G.	1898
J. Norman Collie, Ph.D., LL.D., F.R.S.	1902
J. D. Cormack, B.Sc., M.Inst.E.E.	1901
A. R. Cushny, M.A., M.D., F.R.S.	1905
J. A. Fleming, M.A., D.Sc., F.R.S.†	1885
H. S. Foxwell, M.A., F.B.A.	1881
R. W. Frazer, B.A., LL.B.	1907
E. A. Gardner, M.A.	1896
E. J. Garwood, M.A.	1901
Hermann Gollancz, M.A., D.Lit.	1902
H. Hirschfeld, Ph.D.	1907
Vaughan Harley, M.D., M.R.C.P.	1896
G. Dawes Hicks, M.A., Litt.D., Ph.D.	1904
M. J. M. Hill, M.A., D.Sc., F.R.S.†	1884
J. P. Hill, D.Sc.	1906
A. E. Housman, M.A.	1892
G. H. J. Hurst, M.A.	1908
H. R. Kenwood, M.B., D.P.H.	1904
W. P. Ker, M.A., LL.D., F.B.A.	1889
R. W. Lee, M.A., B.C.L.	1906
L. W. Lyde, M.A.	1903
Sir John Macdonell, M.A., LL.D., C.B.	1901

† Fellow of the College.

§ The dates given in the case of Professors are those in which they were appointed to their respective Chairs; in the case of others, the dates are those in which they were appointed members of the Professorial Board.

	Appointed§
F. C. Montague, M.A.†	1893
J. H. Morgan, M.A.	1908
A. F. Murison, M.A., LL.D.	1883
J. W. Neill	1896
F. W. Oliver, M.A., D.Sc., F.R.S.†	1890
Karl Pearson, M.A., LL.B., F.R.S.	1884
W. M. Flinders Petrie, D.C.L., LL.D., F.R.S.	1892
T. G. Pinches, LL.D.	1907
J. Arthur Platt, M.A.	1894
A. F. Pollard, M.A.	1903
J. P. Postgate, M.A., Litt.D.	1880
R. Priebsch, Ph.D.	1898
Sir W. Ramsay, K.C.B., LL.D., Ph.D., F.R.S.	1887
Carveth Read, M.A.	1903
F. M. Simpson, F.R.I.B.A.	1903
C. Spearman, Ph.D.	1907
E. H. Starling, M.D., F.R.C.P., F.R.S.	1899
G. D. Thane, LL.D., F.R.C.S.	1877
F. T. Trouton, M.A., F.R.S.	1902
C. E. Wilson, B.A.	1902

BOARD OF INDIAN STUDIES.

The Rt. Hon. Lord Reay, G.C.S.I., LL.D. (Chairman).
The Provost.
Dr. A. Cotterell Tupp.
Professor J. W. Neill (Censor of the Indian School).
Professor T. W. Arnold, M.A.
Professor J. F. Blumhardt, M.A.

† Fellow of the College.

§ The dates given in the case of Professors are those in which they were appointed to their respective Chairs; in the case of others, the dates are those in which they were appointed members of the Professorial Board.

DEPARTMENTS AND STAFF.

(*February* 1910.)

[The names of Members of the respective Faculties are printed in SMALL CAPITALS.]

Faculty of Arts.

Dean.—Professor F. C. MONTAGUE.
Vice-Dean.—Professor J. A. PLATT.
Sub-Dean.— L. SOLOMON.

Subject.	*Name.*	*Status.*
Æsthetics	J. Sully, M.A., LL.D.	Lecturer.
Arabic	T. W. ARNOLD, M.A.	Professor
Archæology	E. A. GARDNER, M.A.	Yates Professor.
Architecture	F. M. SIMPSON, F.R.I.B.A.	Professor.
	LESLIE WILKINSON, A.R.I.B.A.	Assistant.
	C. E. Power, A.R.I.B.A.	Instructor.
Assyriology	T. G. Pinches, LL.D.	Lecturer.
Bengali	J. F. BLUMHARDT, M.A.	Reader.
Burmese	A. L. Hough	Reader.
Economic Geography	L. W. LYDE, M.A.	Professor.
Egyptology and Coptic	W. M. FLINDERS PETRIE, D.C.L., LL.D., F.B.A., F.R.S.	Edwards Professor.
	J. H. Walker, M.A.	Assistant.
	Margaret A. Murray	Assistant.
English	W. P. KER, M.A., LL.D., F.B.A.	Quain Professor.
	R. W. CHAMBERS, M.A.†	Assistant Professor.
	T. GREGORY FOSTER, B.A., Ph.D.†	Lecturer.
	Gerald Gould, B.A.†	Quain Student.
Fine Arts	FREDK. BROWN	Slade Professor.
	H. Tonks	Assistant Professor.
	W. Russell	Assistant.
	P. W. Steer	Assistant Teacher.
	D. Lees	Assistant.
	Roger E. Fry, B.A.	Lecturer.
	G. Thomson	Lecturer.
French	LOUIS M. BRANDIN, M.A., Ph.D.	Fielden Professor.
	W. G. HARTOG, M.A.	Assistant.
German	R. PRIEBSCH, Ph.D.	Professor.
	J. G. ROBERTSON, M.A., B.Sc., Ph.D.	Professor.
	J. Steppat, B.A., Ph.D.	Reader.
	W. Perrett, Ph.D.	Reader.
Greek	J. ARTHUR PLATT, M.A.	Professor.
	L. SOLOMON, M.A.	Assistant.
Gujárati	S. A. KAPADIA, M.D.	Reader.
Hebrew	HERMANN GOLLANCZ, M.A., D.Lit.	Goldsmid Professor.
Hindi	J. F. BLUMHARDT, M.A.	Reader.

† Fellow of the College.

Subject.	*Name.*	*Status.*
Hindustani	J. F. Blumhardt, M.A. ..	Professor.
History; Mediæval & Modern....	F. C. Montague, M.A.† ..	Astor Professor
„ ; English	A. F. Pollard, M.A.	Professor.
	Rachel R. Reid, M.A.	Assistant.
„ ; Ancient	M. O. B. Caspari, M.A. ..	Reader.
History of India	J. W. Neill	Lecturer.
Italian.....	A. J. Butler, M.A.....	Professor.
„ (Dante)	A. J. Butler, M.A.	Barlow Lecturer.
Latin	A. E. Housman, M.A.....	Professor.
	L. Solomon, M.A.	Assistant.
Marathi	J. W. Neill	Reader.
Mathematics (Applied) and Mechanics.	Karl Pearson, M.A., LL.B., F.R.S.	Professor.
	E. Cunningham, M.A.	Assistant Professor.
	P. F. Everitt, B.Sc.	Hon. Assistant.
	M. T. Ormsby, M.I.C.E.I...	Assistant.
	E. Sprague, Assoc.M.I.C.E.	Assistant.
	Julia Bell, M.A.....	Assistant.
	Eveline Y. Thomson.....	Assistant for Measurement.
	R. J. Williams, B.Sc.	Demonstrator.
Mathematics (Pure)	M. J. M. Hill, M.A., D.Sc., F.R.S.†	Astor Professor.
	L. N. G. Filon, M.A., D.Sc.†	Assistant Professor.
	H. J. Harris, B.A.	Assistant.
	J. H. Dibb, B.Sc.	Assistant.
	F. Jackson, B.Sc.	Assistant.
	Marion Pick, B.Sc.	Assistant.
	A. R. Richardson	Assistant.
Pali and Buddhist Literature.	Mabel H. Bode, Ph.D.	Assistant.
Persian	C. E. Wilson, B.A.	Professor.
Philology; Comparative.	J. P. Postgate, M.A., Litt.D., F.B.A.	Professor.
	F. W. Thomas, M.A., Ph.D.	Deputy.
„ ; Germanic ..	R. Priebsch, Ph.D.	Professor.
„ ; Romance ..	Louis M. Brandin, M.A., Ph.D.	Professor.
Philosophy (Mind and Logic).	Carveth Read, M.A.	Grote Professor.
„ (Moral).	G. Dawes Hicks, M.A., Litt.D., Ph.D.	Professor.
	A. Wolf, D.Lit.†	Assistant Professor.
Phonetics	D. Jones, M.A.	Lecturer.
Political Economy.....	H.S. Foxwell, M.A., F.B.A.	Professor.
„ (Commercial Methods).	A. Kahn, M.A.	Lecturer.
	W. T. Layton, B.A.	Newmarch Lecturer.
Psychology; Experimental	C. Spearman, Ph.D.	Reader.
	C. Flügel, B.A.	Assistant.
Sanskrit	L. D. Barnett, D.Litt. ..	Professor.
	Mabel H. Bode, Ph.D.	Assistant.
Semitic (North) Epigraphy.	H. Hirschfeld, Ph.D.	Lecturer.
Tamil and Telugu	R. W. Frazer, B.A., LL.B.	Reader.
Tibetan	F. W. Thomas, M.A., Ph.D.	Reader.

† Fellow of the College

Faculty of Laws.

Dean.—Professor Sir JOHN MACDONELL.
Vice-Dean.—Professor J. W. NEILL.

Subject.	*Name.*	*Status.*
Comparative Law	Sir JOHN MACDONELL, M.A., LL.D., C.B.	Quain Professor.
Constitutional Law	J. H. MORGAN, M.A.	Acting Professor.
English History.....	A. F. POLLARD, M.A.	Professor.
English Law	G. H. J. HURST, M.A.	Acting Professor.
Indian Law	J. W. NEILL	Professor.
Jurisprudence.....	A. F. MURISON, M.A., LL.D.	Professor.
Roman Dutch Law	R. W. LEE, M.A., B.C.L...	Professor.
Roman Law	A. F. MURISON, M.A., LL.D.	Professor.

Faculty of Science.

Dean.—Professor E. J. GARWOOD.
Vice-Dean.—Professor F. W. OLIVER.
Sub-Dean.—H. J. HARRIS.

Botany	F. W. OLIVER, M.A., D.Sc., F.R.S.†	Quain Professor.
	F. E. FRITSCH, D.Sc., Ph.D.	Assistant Professor.
	T. G. Hill, A.R.C.S.....	Assistant Professor.
	E. M. Cutting, M.A.	Assistant.
	Ethel N. Thomas, B.Sc. ..	Lecturer.
	E. J. Salisbury, B.Sc.	Quain Student.
Chemistry (Inorganic and General).	Sir W. RAMSAY, K.C.B., LL.D., Ph.D., F.R.S.	Professor.
,, (Organic)....	J. NORMAN COLLIE, LL.D., Ph.D., F.R.S.	Professor.
,,	E.C.C.BALY,F.I.C.,F.R.S.†	Assistant Professor.
,,	R. W. Gray, Ph.D.	Assistant Professor.
,,	Samuel Smiles, D.Sc.†	Assistant Professor.
,,	N. T. M. WILSMORE, D.Sc.	Assistant Professor.
,,	Katharine A. Burke, B.Sc..	Assistant.
,,	W. B. Tuck, D.Sc.....	Assistant.
,,	E. de B. Barnett	Demonstrator.
,,	H. T. Clarke, B.Sc.	Demonstrator.
,,	E. G. Davis, B.Sc.....	Demonstrator.
,,	A. C. G. Egerton, B.Sc. ..	Demonstrator.
,,	Maud Gazdar, B.Sc.	Demonstrator.
,,	C. D. V. Georgi, B.Sc.....	Demonstrator.
,, (Physical) ..	W. C. McC. Lewis, D.Sc...	Demonstrator.
,,	H. J. Page, B.Sc.	Demonstrator.
,,	H. S. Patterson, B.Sc.	Demonstrator.
,,	I. G. Rankin, B.Sc.	Demonstrator.
,,	G. Tatham, B.Sc.	Demonstrator.
Geology, Physical Geography, and Mineralogy.	E. J. GARWOOD, M.A.	Yates-Goldsmid Professor.
	Edith Goodyear, B.Sc.	Museum Assistant.
	H. S. Bion, B.Sc.	Demonstrator.

† Fellow of the College.

Subject.	*Name.*	*Status,*
Pathological Chemistry..	Vaughan Harley, M.D., M.R.C.P.	Professor.
	F. W. Goodbody, M.D., M.R.C.P.	Assistant Professor.
Pharmacology	Arthur R. Cushny, M.A., M.D., F.R.S.	Professor.
Physics	F. T. Trouton, M.A., F.R.S.	Quain Professor.
	A. W. Porter, B.Sc.†	Assistant Professor.
	N. Eumorfopoulos, B.Sc.†..	Assistant.
	A. O. Rankine, B.Sc.	Assistant.
Physiology	E. H. Starling, M.D., B.S., F.R.C.P., F.R.S.	Jodrell Professor.
„	W. M. Bayliss, M.A., D.Sc., F.R.S.†	Assistant Professor.
„	G. A. Buckmaster, M.A., M.D., D.P.H.	Assistant Professor.
„	R. H. Aders Plimmer, D.Sc.†	Assistant Professor.
„	G. C. Mathison, M.B., B.S.	Assistant & Sharpey Scholar.
„ (Physiological Optics).	J. H. Parsons, M.D., F.R.C.S.	Lecturer.
„ (Physiological Chemistry).	S. B. Schryver, D.Sc.	Lecturer.
„ (Histology)..	Harvey Webb	Demonstrator.
Spectroscopy	E. C. C. Baly, F.I.C., F.R.S.†	Lecturer.
Zoology and Comparative Anatomy.	J. P. Hill, D.Sc.	Jodrell Professor.
	W. Woodland, D.Sc.	Assistant.
	C. H. O'Donoghue, B.Sc. ..	Assistant.

[The Professors of Anatomy, Archæology, Economic Geography, Egyptology, Pure Mathematics, Applied Mathematics and Mechanics, Philosophy of Mind and Logic, and Political Economy, together with the Reader in Experimental Psychology and Dr. Filon, are also Members of this Faculty.]

Faculty of Engineering.

Dean.—Professor J. D. Cormack.

Vice-Dean.—Professor J. A. Fleming.

Engineering; Civil, and Surveying.	H. Deans, B.A. (Cantab.), M.Inst.C.E.	Lecturer.
	A. T. Walmisley, M.Inst.C.E.	Lecturer.
	W. N. Blair, M.I.C.E. ..	Lecturer.
	M. T. Ormsby, M.I.C.E.I. .	Lecturer.
Engineering; Electrical .	J. A. Fleming, M.A., D.Sc., F.R.S.†	Pender Professor.
	W. C. Clinton, B.Sc., A.M.Inst.E.E.	Assistant Professor.
	H. M. Hobart, M.Inst.C.E.	Lecturer.
	G. B. Dyke, B.Sc.	Assistant.

† Fellow of the College.

Subject.	*Name.*	*Status.*
Engineering; Mechanical.	J. D. Cormack, B.Sc., M.Inst.Mech.E.	Professor.
	W. J. Goudie, B.Sc., A.M.I.Mech.E.	Assistant.
	H. P. Philpot, B.Sc., A.M.I.Mech.E.	Assistant.
	E. Sprague, Assoc.M.Inst. C.E.	Assistant.
	E. Whitehouse, B.Sc.	Demonstrator.
Engineering; Municipal.	Osbert Chadwick, M.Inst. C.E., M.Inst.M.E., C.M.G.	Edwin Chadwick Professor.
	R. E. Middleton, M.I.C.E.	Lecturer.
	M. T. Ormsby, M.I.C.E.I. .	Assistant.
Hygiene and Public Health.	H. R. Kenwood, M.B., D.P.H., F.C.S.	Chadwick Professor.
	F. N. Kay Menzies, M.D., D.P.H.	Assistant & Lecturer.

[The Professors of Architecture, Chemistry (General), Geology, Mathematics (Applied), Mathematics (Pure), and Physics, together with Dr. Filon, Dr. Gray, Mr. Porter, and Mr. Rankine, are also Members of this Faculty.]

Faculty of Medical Sciences.

Dean.—Professor G. D. Thane.

Vice-Dean.—Professor J. P. Hill.

Anatomy	G. D. Thane, LL.D., F.R.C.S.	Professor.
	G. S. Hett, M.B.	Assistant & Curator of the Museum.
	G. E. Waugh, B.S. F.R.C.S.	Demonstrator.
	H. T. Mant, M.S., F.R.C.S.	Demonstrator.
	E. M. Cowell, M.B., B.S. . .	Assist. Demonstrator
	H. C. R. Darling, M.B., B.S.	„ „
Botany	F. W. Oliver, M.A., D.Sc.†	Professor.
	F. E. Fritsch, D.Sc., Ph.D.	Assistant Professor.
	T. G. Hill, A.R.C.S.	Assistant Professor.
Chemistry (Inorganic and General).	Sir W. Ramsay, K.C.B., LL.D., Ph.D., F.R.S.	Professor.
„ (Organic)....	J. Norman Collie, LL.D., Ph.D., F.R.S.	Professor.
„	E. C. C. Baly, F.I.C., F.R.S.†	Assistant Professor.
„	N. T. M. Wilsmore, D.Sc. .	Assistant Professor.
Hygiene and Public Health.	H. R. Kenwood, M.B., D.P.H., F.C.S.	Professor.
	F. N. Kay Menzies, M.D., D.P.H.	Assistant & Lecturer.
Pathological Chemistry .	Vaughan Harley, M.D., M.R.C.P.	Professor.
	F. W. Goodbody, M.D., M.R.C.P.	Assistant Professor.
Pharmacology	Arthur R. Cushny, M.A., M.D., F.R.S.	Professor.

† Fellow of the College.

Subject.	*Name.*	*Status.*
Physics	F. T. Trouton, M.A., F.R.S.	Quain Professor.
	A. W. Porter, B.Sc.†	Assistant Professor.
	N. Eumorfopoulos, B.Sc.†	Assistant.
Physiology	E. H. Starling, M.D., B.S., F.R.C.P., F.R.S.	Professor.
	W. M. Bayliss, M.A., D.Sc., F.R.S.	Assistant Professor.
	G. A. Buckmaster, M.A., M.D., D.P.H.	Assistant Professor.
	R. H. Aders-Plimmer, D.Sc.†	Assistant Professor.
	G. C. Mathison, M.B., B.S.	Assistant & Sharpey Scholar.
„ (Physiological Chemistry).	S. B. Schryver, D Sc.	Lecturer.
Zoology and Comparative Anatomy.	J. P. Hill, D.Sc.....	Jodrell Professor.
	W. Woodland, D.Sc.	Assistant.
	C. H. O'Donoghue, B.Sc. .	Assistant.

PROFESSORES EMERITI.

Daniel Oliver, F.R.S.....	Botany	1888
Sir A. B. W. Kennedy, F.R.S.	Mechanical Engineering	1889
E. S. Beesly, M.A.....	History	1893
Sir John Williams, Bart., M.D.	Obstetric Medicine	1893
H. Charlton Bastian, M.A., M.D., F.R.S.	Medicine and Clinical Medicine	1898
G. Carey Foster, B.A., LL.D., D.Sc., F.R.S.	Physics	1898
Sydney Ringer, M.D., F.R.S.	Clinical Medicine.....	1900
The Rev. T. G. Bonney, D.Sc., F.R.S.	Geology	1901
James Sully, M.A., LL.D.....	Philosophy of Mind and Logic	1904
Sir John Tweedy, F.R.C.S.	Ophthalmic Medicine and Surgery.	1904
Frederick T. Roberts, M.D., F.R.C.P.	Medicine and Clinical Medicine	1905
Sir E. Ray Lankester, M.A., LL.D., F.R.S.	Zoology and Comparative Anatomy.	1906
Sir Victor Horsley, M.B., B.S., F.R.C.S., F.R.S.	Clinical Surgery	1906

† Fellow of the College.

REPORT OF THE COLLEGE COMMITTEE.

STUDENTS AND FEES.

SESSION 1908–1909.

The total number of Students during the Session 1908–09 was 1448, being an increase of 87 on that of the preceding Session. Of these, 1247 were Students in the Faculties of Arts, Laws, Science and Engineering, and 201 were Students in the Faculty of Medical Sciences; 589 were registered as Internal Students of the University, and 308 (as against 229 in the previous year) as Post-Graduate and Research Students.

The total fees received for the Session 1908–09 (less £261 15*s.* 0*d.* fees returned owing to special circumstances) amounted to £23,075 1*s.* 2*d.*, an increase of £342 13*s.* 9*d.* on the previous Session.

THE CURRENT SESSION (1909–1910).

The numbers of Students who have completed their registration and paid fees up to December 31st, 1909, are as follows:—In the Faculties of Arts, Laws, Science, and Engineering, 886, of whom 395 are new Students; in the Faculty of Medical Sciences, 154, of whom 64 are new Students. In the total number there is an increase of 141 as compared with the corresponding time last year.

The College fees received to December 31st, 1909, are £13,692 12*s.* 6*d.* in the Faculties of Arts, Laws, Science, and Engineering, and £2,029 2*s.* 6*d.* in the Faculty of Medical Sciences; showing a total increase of £1204 17*s.* 6*d.* as compared with the corresponding time last year.

GENERAL FINANCES.

Financial Year 1908–09.

The Accounts for the year (1908–09) are printed at the end of this Report (see Appendix VI., pp. 81–93).

College Establishment Account.

The comparison of the College Establishment Account for the last year with that for previous years is made difficult by the change that has been made in the matter of the Medical Composition Fees. Hitherto, the whole of the Medical Composition Fees received in one year has been credited to that year and distributed in that year. Under the new order which takes effect for the Session 1908–09, the proportion due to subsequent years will be carried forward each year. The year in which the change is made suffers because there is nothing to carry forward from the previous year. For the transitional year, the Auditor has decided that the amount carried forward, namely, £584 17*s.* 0*d.*, shall appear on both sides of the account. He proposes to slightly re-arrange the account for the next and for subsequent years. The effect of this decision is that, whereas the total fees received amounted to £23,075 1*s.* 2*d.*, the total fees available for the service of the year was £23,075 1*s.* 2*d. less* £584 17*s.* 0*d.*—*i. e.*, £22,490 4*s.* 2*d.* The £584 17*s.* 0*d.* consequently appears on the expenditure side also and swells the amount of the expenditure to that extent, whereas, if the practice of previous years

had obtained, about £140 would have appeared on the expenditure side in the form of payments of Share of Fees to Professors and the balance of £444 17*s.* 0*d.* would have increased the surplus of the year and would have consequently been available towards the re-arrangement and re-equipment of buildings.

Grants.

Grants from the Treasury, the London County Council, and other bodies, are set out in full in the Accounts. The list of them (see Appendix I., p. 53) shows to what a considerable extent the work of the College depends upon such grants and upon the generosity of some of the great City Companies.

Subscriptions and Donations.

Annual Subscriptions and Donations (see Appendix I., p. 53) amounted to £1,254 5*s.* 9*d.*, of which £1,011 0*s.* 3*d.* was for special purposes.

Re-equipment and Re-arrangement of Buildings.

Payments in respect of the re-arrangement and re-equipment of buildings during the Session amounted to £5,096 8*s.* 10*d.*, of which £1,067 13*s.* 10*d.* has been provided for, as to £450 from the Henry Arthur Kay Bequest and as to the balance out of the surplus of the year.

It will be seen from the Capital Account that the total expenditure on re-arrangement and re-equipment of Buildings not provided for at the end of the financial year 1908–09 amounted to £6,599 10*s.* 10*d.*

The Current Financial Year.

The Senate have authorised a further expenditure in the current financial year of £4,400 on re-arrangement and re-equipment of buildings, thus bringing the total authorised expenditure for this purpose up to about £20,000. Of this amount, £500 has been provided by a special Treasury Grant, £450 by the Kay Bequest, and about £8,000 out of the ordinary revenues of the College, leaving £11,000 still to be provided for. Towards this, the London County Council have made a Grant of £4,000 on conditions that have been accepted by the Senate and which include (i) power to the County Council to nominate three persons (instead of one, as hitherto) for membership of the College Committee, (ii) an undertaking under the Seal of the University that the buildings in respect of which the grant is made shall be used in perpetuity for the purposes of university education, or if at any time hereafter any such buildings shall be diverted from such use by the University without the consent of the Council, the amount of grant in respect of the buildings, the use of which is so diverted, shall be repaid to the Council for educational purposes, (iii) an understanding that the Senate of the University will communicate with the Council for its information (*a*) any proposal for expenditure on further extension of the premises of University College, and (*b*) any important change of policy involving expenditure in connection with the College, so soon as any such proposal of change of policy has been adopted by the Senate, provided that before any expenditure is incurred on a scheme towards the cost of which the Senate contemplates asking the Council to contribute, full particulars shall be submitted by the Senate to the Council and an opportunity given to the Council to made observations thereon.

The County Council propose to provide a further Grant of £6,000 in the estimates of the year 1910–11. With the exception of £1,000, the liabilities in connection with the re-arrangement and re-equipment of buildings that have already been carried out will then be provided for.

The completion of the scheme of re-arrangement and re-equipment laid down and approved by the Senate three years ago will take another two years, and will cost about £6,000, bringing the total up to £26,000. It will only be possible to complete the scheme in that time if sufficient funds are forthcoming.

The works that are next in rota in connection with this scheme include the following :—

(1) The equipment of the recently reconstructed Museum of Egyptology for the purpose of providing suitable accommodation for the collections made by Professor Flinders Petrie.

(2) The completion of the equipment of the Department of Geology.

(3) Additions to the equipment of the several Departments of Engineering.

(4) Preparation and equipment of the rooms recently vacated by the Department of Botany for the Department of Zoology.

(5) The re-flooring and re-decoration of the South Cloisters and provision of new Students' Cloak Room.

(6) Do. do. for the North Cloisters.

(7) The re-flooring of the General Library, to be followed by re-decoration of the same and re-decoration of the Flaxman Gallery.

(8) Provision of Dressing-Rooms, Lavatories, and Bathrooms in connection with the Gymnasium.

Although, as stated above, it has been possible during the last few years to make considerable contributions from the ordinary revenues of the College towards capital expenditure on re-arrangement and re-equipment of buildings, it is not likely that a continuation of this will be possible. For it must be remembered that since 1907, by the acquisition of the South Wing for University purposes and by the erection of the Physiology Institute, the buildings available for those purposes have been increased by considerably over one-third, and that the annual charges for maintenance and service of these additional buildings alone amount to about £3,300, and that the increased staff made necessary by the enlarged buildings has involved an additional annual expenditure on salaries of heads of departments amounting to £1,800 and on Assistants, £1,666. The improvements thus made and the greater facilities for work have added to the attractiveness and efficiency of the College, as shown by a steady increase in fees, the increase in the three years under review being from £20,618 to £23,075. The completion of the scheme of re-arrangement and re-equipment is highly desirable. Annual subscriptions and donations from friends of the College for the purposes of re-arrangement and re-equipment are therefore urgently needed at the present time.

Annual Subscriptions and Donations.

Lists of Annual Subscribers and Donors for last year are given on pp. 53, 54. The Committee desire to call attention to the importance of maintaining and extending the list of annual subscriptions. Not only are such subscriptions a means of increasing the revenue of the College, but they serve a most important purpose in all applications to public bodies. The Treasury more particularly attaches great importance to the amount of local aid in making its grants to the College.

SCHOLARSHIPS AND OTHER DISTINCTIONS AWARDED IN THE COLLEGE.

A. *FACULTIES OF ARTS, LAWS, SCIENCE AND ENGINEERING.*

ANDREWS ENTRANCE SCHOLARSHIPS (£30) :—
Languages and History :—G. Davis of University College School.
Languages and History (additional Scholarship) :—Grace M. Newton of the Addey and Stanhope School, New Cross.
Science :—R. M. Clark of Southend Secondary School.

ANDREWS SCHOLARSHIPS for Students of one year's standing (£30) :—
Classics :—Louise W. Stone.
Mathematics and Science :—R. G. Lunnon.
Languages :—Eileen O'Rourke.

ANDREWS SCHOLARSHIP for Student of two years' standing (£20) :—
Mathematics and Science :—D. McDonald.

CAMPBELL CLARKE ENTRANCE SCHOLARSHIP (about £40 a year, tenable for three years) :—Eileen O'Rourke of the City of London School for Girls.

CHADWICK SCHOLARSHIP AND GOLD MEDAL IN MUNICIPAL ENGINEERING (£100) :—F. L. Thompson : *proxime accessit,* A. M. Sims (Silver medal).

DERBY SCHOLARSHIP, Zoology (£60 for two years) :—Dorothy M. Simmons, B.A., B.Sc.

DAVID HUGHES SCHOLARSHIP AWARDED BY THE INSTITUTION OF ELECTRICAL ENGINEERS (£50) :—E. Mallett.

DONALDSON MEDAL, Architecture :—C. Voysey.

FIELDEN RESEARCH SCHOLARSHIP IN GERMAN (£50) :—W. E. Collinson.

CAREY FOSTER RESEARCH PRIZE IN PHYSICS :—Caroline Schneider.

GLADSTONE PRIZE FOR ESSAY on "The Bayeux Tapestry" (£10) :—N. L. Mackie : *Proxime accessit,* A. C. Dawes.

GOODALL ART SCHOLARSHIP (about £20 a year for three years) :—G. B. Solomon.

ARCHIBALD P. HEAD MEMORIAL MEDAL AND PRIZE IN MECHANICAL ENGINEERING :—R. A. Pfleiderer, B.Sc.

HEIMANN MEDAL, German :—L. A. Triebel.

HOLLIER SCHOLARSHIPS (£60) :—
Greek, T. J. Cash.
Hebrew, A. B. Greenbaum. } £30 each.
E. M. Levy. }

Joseph Hume Scholarship in Jurisprudence (£20):—R. S. Carr: *proxime accessit*, M. F. Levey.

Joseph Hume Scholarship in Political Economy (£20):—Mabel C. Buer.

Jessel Studentship, Mathematics (£80):—E. N. da C. Andrade, B.Sc.

Jews' Commemoration Scholarship (£15 per annum for two years):—A. E. Evans.

Malden Medal and Scholarship (about £20):—G. F. Forsey. Additional Scholar (3rd year):—T. J. Cash.

Mayer de Rothschild Research Scholarship in Mathematics (£42):—Marion Pick, B.Sc.

Melvill Nettleship Prize for Figure Composition:—R. Ihlee, M. G. Lightfoot, *equal.*

John Stuart Mill Scholarship in Philosophy of Mind and Logic (£20):—E. M. Page, B.A.

Morley Medal, English:—Alice M. Varley.

Physics Research Studentships:—£60, F. Simeon; £40, B. B. Baker.

Quain Studentships:—English (£150 per annum):—Gerald Gould, B.A.; Biology (£100 per annum):—E. J. Salisbury, B.Sc.

Quain Prize in English (£50):—G. Gould, B.A. Essay on "The History of the Lyric."

Quain Law Professor's Prize of £15 for Essay on "The History, Form, and Effect of the most-favoured Nation Clause in Treaties":—M. McGuirk.

Hester Rothschild Prize, Hebrew & Aramaic (£20):—B. Liebermann, B.A.

L. M. Rothschild Prize, French (£20):—C. Gilli, B.A.: *proxime accessit*, P. V. Thomas, B.A.

Science Scholarship awarded by H.M. Commissioners for the Exhibition of 1851:—H. E. Watson, B.Sc.

Slade Fine Art Scholarships (£35 per annum for two years):—M. Gertler, F. A. Helps.

Slade Fine Art Bursary:—Elsie M. Barker.

Tuffnell Scholarship, Chemistry (£80 per annum for two years):—H. J. Page.

University College School "Research Medals":—H. T. Clarke, B.Sc. E. J. Salisbury, B.Sc.

Ellen Watson Scholarship in Applied Mathematics (£15) :—F. Jackson.

West Entrance Scholarship in English and English History (£30) :—Hilda Fowlds of Lydney Secondary School.

B. *FACULTY OF MEDICAL SCIENCES.*

Schäfer Prize in Physiology (about £18) :—F. H. Scott, M.B., Ph.D.

Sharpey Physiological Scholarship (£105 per ann.) :—G. C. Mathison, M.B., B.S.

Medical Entrance Exhibitions and Scholarships :—

Bucknill Scholarship (£141 15*s.*) :—C. I. de Silva.

Medical Entrance Scholarship (£57 15*s.*) :—R. J. Clausen.

UNIVERSITY EXAMINATIONS AND DEGREES.

January 1st to December 31st, 1909.

Examination.	No. passed from University College.	No. from Univ. Coll. in Honours.
*Inter. Arts	41	
*Inter. Sci.	33	
*Inter. Sci. (Engineering)	13	
*Inter. Sci. (Econ.)	1	
*Inter. Laws	9	
‡First Exam. Med. Deg.	23	
§Second Exam. Med. Deg. Pt. I.	17	
‖Second Exam. Med. Deg. Pt II.	12	
B.A.	34	24
B.Sc.	32	28
B.Sc. (Engineering)	14	10
LL.B.	1	1
†M.B., B.S.	14	1
M.A.	3	
D.Sc.	4	
†M.D.	6	
†M.S.		

* There are now no Honours at the Intermediate stage for Internal Students.

† The work for the final stage of these degrees was, except in one case, done at University College Hospital Medical School.

‡ Formerly Prel. Sci. (M.B.) Pt. I. § Formerly Prel. Sci. Pt. II.

‖ Formerly Inter. Med.

UNIVERSITY HONOURS.

January 1st to December 31st, 1909.

Examination.	Subject.	Name of successful Candidate from University College.	Class.
M.A.	Philosophy ...	Broughton, Gladys M.	
	Classics ..... (Ancient Philosophy).	Cavenagh, F. A.	Special distinction
	Classics ..... (Archæology).	Preedy, J. B. K.	
B.A.	Classics	Cash, T. J.	I
		Nordon, Florence M. ...	III
		Sherwen, Alice M.	III
	English	Charlton, R.	II
		Hearn, Faith M.	III
		Lewin, Florence C.	III
		Varley, Alice M.	III
		Wooldridge, Dorothy ...	II
	French	Devonshire, Marian G.	II
		Gilli, C.....	I
		Rosen, V.	III
		Russell, T. B.	II
		Speak, Ethel M.	III
		Thomas, P. V.....	I
		Troake, Elizabeth	III
	German	Sawyer, Laverna D.....	II
	Hebrew & Aramaic ...	Schneiderman, J. H. ...	II
	History	Glaser, F. L.	II
		Hasluck, E. L.	I
		Lynn, Hilda M. I.	III
		Schaeffer, Hilda C.	I
	Modern Languages...	Proper, B.....	
D.Sc.	Physics	Makower, W.	
		Russ, S.....	
	Physiology ...	Scott, F. H.	
	Chemistry.....	Tuck, W. B.....	

HONOURS (*continued*).

Examination.	Subject.	Name of successful Candidate from University College.	Class.
B.Sc.	Botany	Burgess, Edith O.	III
		Hudd, Winifred	III
		Samuel, Maud	III
		Turner, Gladys	III
	Chemistry.....	Baker, G. R...	II
		Baker, Sarah M.	II
		Bagshaw, W. N.	III
		Barfield, E. C. G.....	III
		Clark, A. S.	II
		Davis, E. G.	III
		Hill, F. W.	III
		Patterson, H. S.	III
		Regan, C. J.....	III
		Salamon, M. S.	III
		Tatham, G. T. P.	III
		Wechsler, A.	III
	Geology	Bion, H. S.	I
		Cunnington, C. H.	I
	Mathematics...	Jackson, F.	I
	Physics	Baker, B. B.	II
		Barton, H. C. H.	II
		Laurence, A. H.	III
		Simeon, F.	II
	Physiology ...	Hills, H. W.....	III
	Psychology ...	Webb, E.	III
	Zoology.....	Fraser, Elizabeth A. ...	II
		Simmons, Dorothy M. .	II
B.Sc. (Engineering).	Engineering ...	Bailey, E. E.	III
		Hitchcock, S. M.	III
		Nottage, S. G.	I
		Pfleiderer, B. J.	III
		Russell, A. C.	II
		Sims, A. M.	I
		Sutton, A. T. C.	III
		Thompson, F. L.....	II
		Whitehouse, E.	III
		Williams, R. J.	II
LL.B.....	English Law...	Carr, R. S.	II

HONOURS (*continued*).

Examination.	Subject.	Name of successful Candidates from University College.	Class.
University Scholarships	English (Moiety).	Hughes, Winifred O. ...	
	German.....	Triebel, L. A.	
	Psychology & Logic.....	Thomson, M. M.	
Gilchrist Scholarship.	Botany (Moiety).	Talbot, Gertrude M. ...	
Sherbrooke Scholarship.	Mathematics...	Lunnon, R. G.....	
St. Dunstan's Exhibition.	Arts	O'Rourke, Eileen.....	

PERSONNEL OF THE COLLEGE COMMITTEE.

The Right Hon. Lord Herschell and Mr. Charles Hawksley, a former Student of the College, were appointed Members of the College Committee for the year beginning March 1st, 1909.

The College Committee have suffered a great loss in the death of the Right Hon. Lord Monkswell.

DEATHS OF PERSONS CONNECTED WITH THE COLLEGE.

The College Committee record with regret the following deaths :—

Lord Monkswell (a former Life Governor, President of the College Senate from 1899 to 1901, Member of the College Council since 1893 and Vice-President of the College Council from 1901-1906, and a Member of the College Committee).

On receiving news of the death of the Right Hon. Lord Monkswell, the College Committee, through their Chairman, expressed to Lady Monkswell and the members of her family their deep regret at the loss they had sustained.

His Honour Judge Bompas (a Fellow of the College).

Sir B. L. Cohen, Bart. (a former Life Governor).

Dr. Radcliffe Crocker (a former Life Governor of the College, and Physician for Diseases of the Skin at University College Hospital).

Sir Donald Currie (a former Life Governor and Benefactor).

On receiving news of the death of Sir Donald Currie the College

Committee adopted the following resolution to be communicated to Lady Currie:—

> The Committee of University College, London, have received with much regret information of the death of Sir Donald Currie, G.C.M.G.
>
> Sir Donald Currie was one of the greatest benefactors of the College. By his munificent and timely gift of £80,000, he enabled the incorporation of the College in the University to take place, at the same time providing a suitable building for the accommodation of the Medical School of University College. By adding to that a further gift of £22,500 for the building and furnishing of the Nurses' Home in connection with University College Hospital, he increased the efficiency of that Hospital.
>
> The College Committee desire to express their deep sense of the value of Sir Donald Currie's great benefactions and to convey their respectful sympathy to Lady Currie and the other members of the family in the loss that they have sustained.

The College was represented at the funeral of Sir Donald Currie by Dr. Batty Shaw, Dean of University College Hospital Medical School and Fellow of the College.

Dr. Charles Graham (Emeritus Professor of Chemical Technology since 1889), who has bequeathed his residuary Estate (upwards of £30,000) to the University for the promotion of research in Pathology at University College Hospital Medical School.

Professor Marks (Professor of Hebrew from 1844-45 to 1898-99).

Dr. Ludwig Mond (a former Life Governor and Member of the College Council and a Benefactor).

Dr. W. Page May (a Fellow of the College and Lecturer in the Physiology of the Nervous System).

Dr. W. B. Ransom (a Fellow of the College).

Viscount Selby (a former Life Governor).

HONOURS AND APPOINTMENTS.

The College Committee record the following as being the more noteworthy honours bestowed upon former Students and Members of the College during the past year:—

The honour of a Viscounty has been conferred upon the Right Hon. Lord Morley, a Life Governor.

Professor M. J. M. Hill has been elected Vice-Chancellor of the University for the year 1909–10, and Honorary Fellow of St. Peter's College, Cambridge.

Sir Henry Roscoe, F.R.S., Life Governor, and Sir Edgar Speyer, Bart., Life Governor, have been created Privy Councillors.

The Vice-Chairman (Sir Edward Busk) and the Provost (Dr. T. Gregory Foster) have been appointed Corresponding Members of the National Education Association of the United States of America.

Mr. J. W. Salmond, a Fellow of the College, has been appointed Parliamentary Draftsman to the Government of the Dominion of New Zealand and Head of the Crown Law Office, Wellington.

Mr. Gerald Gould, Fellow of the College, has been elected a Fellow of Merton College, Oxford.

Mr. E. C. C. Baly has been elected a Fellow of the Royal Society.

Mr. H. D. Vigor, B.Sc., has been appointed Assistant to the Head of the Statistical Branch of the Board of Agriculture and Fisheries.

The University of Glasgow has conferred the degree of LL.D. (*honoris causa*) upon Professor J. N. Collie and upon Mr. D. S. MacColl, Fellow of the College, formerly Lecturer in the History of Art.

The University of Brussels has conferred the degree of D.Sc. (*honoris causa*) on Professor J. D. Cormack.

Two former Students of the Slade School have been elected Associates of the Royal Academy, namely, Mr. Orpen and Mr. Derwent Wood.

Mr. W. T. Layton, Newmarch Lecturer and a former Student of the College, has been elected to the Gresham Research Studentship in Economics at Gonville and Caius College, and has won the Cobden Prize for an Essay.

Miss Marie C. C. Stopes, D.Sc., has been appointed Lecturer on Fossil Botany in the Victoria University of Manchester.

Mr. Henry Payne, M.I.C.E., a former Student of the Department of Applied Mathematics, has been appointed Professor of Engineering in the University of Melbourne.

Sir W. R. Gowers, M.D., F.R.S., Fellow of the College, has been awarded the Moxon Medal for Researches in Medicine.

Mr. E. Mallett, B.Sc., has received an appointment in the Engineer's Department of the General Post Office.

Mr. K. Sanjana, Mr. J. S. Westerdale, B.Sc., Mr. C. Jefferies, and Mr. Hatt-Cook have received appointments in the Indian Public Works Department.

Mr. E. J. Collins has been appointed Head of the Natural Science Department of the Hackney Institute.

Mr. G. D. Knox, a former Student of the College, has been appointed Assistant Editor of the "Times of India."

Mr. K. T. B. Tressler has been appointed Assistant Director of Technical and Industrial Enquiries in the Madras Presidency.

Dr. A. T. Cameron has been elected to the post of Lecturer on Chemical Physiology in the University of Winnipeg.

Mr. J. H. C. Searle has been appointed Lecturer in Mathematics in the Victoria University of Manchester.

Dr. A. W. Stewart, formerly Lecturer on Stereo-Chemistry, has been appointed Lecturer on Organic Chemistry in the University of Belfast.

The following appointments in connection with Public Health have been obtained:—

Dr. T. S. Higgins, Assistant-Medical Officer of Health to the City of Birmingham.

Dr. E. J. Elkington, Medical Adviser to the Board of Health of Queensland, Australia.

Dr. A. E. Salisbury, Medical Officer to the Central London District Schools.

Dr. T. Evans, County Medical Officer of Health for Pembrokeshire.

Dr. C. H. W. McCullagh, School Medical Officer, Bradford.

Dr. H. S. Chate, Medical Inspector of School Children, Middlesex County Council.

Dr. W. F. Corfield, Medical Officer of Health for Colchester.

Dr. W. G. Savage, Medical Officer of Health for Somerset County Council.

Dr. T. H. C. Stevenson, Chief Registrar of Births and Deaths, Somerset House.

The following have been elected Fellows of the College:—

Mr. F. A. Cavenagh, M.A., Assistant Master in Blackpool Grammar School.

Mr. A. T. Shearman, D.Lit., Lecturer at the College on Advanced Logic and History of Psychology during the Sessions 1904-5, 1905–6, 1907–8, 1908–9.

Mr. L. A. Willoughby, M.A., Ph.D., Lecturer in the Handelshochschule, Cologne.

Mr. J. E. Petavel, D.Sc., F.R.S., A.M.I.C.E., A.M.I.E.E., Professor of Engineering and Director of the Whitworth Laboratories, Victoria University of Manchester.

Mr. R. W. Gray, Ph.D., Assistant Professor of Chemistry at the College.

Miss Marie C. C. Stopes, D.Sc., Ph.D., Lecturer in Fossil Botany Victoria University of Manchester.

Mr. H. M. Woodcock, D.Sc., Assistant to the University Professor of Protozoology.

Mr. S. G. Shattock, F.R.C.S., Curator of the Museum of St. Thomas's Hospital and Pathological Curator of the Museum of the Royal College of Surgeons.

Mr. J. H. Parsons, D.Sc., M.B., B.S., F.R.C.S., Lecturer on Physiological Optics at the College; Assistant Ophthalmic Surgeon to University College Hospital and Assistant Surgeon to the Royal London Ophthalmic Hospital.

CHANGES IN THE PROFESSORIAL AND ASSISTANT STAFF.

Faculty of Arts.

1. Professor T. W. Rhys Davids' tenure of the Chair of Pali and Buddhist Literature has expired and no reappointment to the Professorship has been made. Dr. Mabel Bode has been appointed to lecture on Pali and Buddhist Literature for the current Session: she has also been reappointed as Assistant in Sanskrit.

2. Professor J. P. Postgate has resigned his Chair of Comparative Philology as from the end of the current Session on account of his appointment to the Professorship of Latin in the University of Liverpool.

Dr. F. W. Thomas has been appointed as Professor Postgate's Deputy for the current Session.

3. Professor F. Brown has been reappointed to the Slade Chair of Fine Art for a further period of three years.

4. Professor A. J. Butler has been appointed Barlow Lecturer on Dante for a period of three years, *vice* Dr. E. Moore whose tenure had expired.

5. Mr. Roger E. Fry has been appointed Lecturer in the History of Art *vice* Dr. D. S. MacColl resigned.

6. Mr. A. L. Hough has been reappointed Reader in Burmese for a further period of three years.

7. Mr. Gerald Gould has been appointed Quain Student in English *vice* Mr. J. H. G. Grattan whose tenure had expired.

8. The following Lecturers have been reappointed for a period of three years:—

Dr. H. Hirschfeld	North Semitic Epigraphy.
Mr. D. Jones	Phonetics.
Prof. J. Sully	Æsthetics.

9. Miss Rachel R. Reid has been appointed Assistant in English History.

10. Mr. C. Flügel has been appointed Assistant to the Reader in Experimental Psychology.

11. Mr. F. Jackson and Miss Marion Pick have been appointed Assistants in the Department of Pure Mathematics.

12. Mr. G. Udny Yule has resigned his post as Newmarch Lecturer in Statistics and has been succeeded by Mr. W. T. Layton.

13. Mr. L. Solomon has been reappointed Sub-Dean of the Faculty of Arts.

14. Mr. C. E. Power has been reappointed Instructor in the Evening Classes in Design and Mr. E. Newton and Mr. L. Stokes, Visitors in the Advanced Class in Design.

15. The following Assistants have been reappointed for the current Session:—

Architecture	Mr. L. Wilkinson.
Egyptology	Mr. J. H. Walker.
	Miss M. A. Murray.
English	Mr. R. W. Chambers (Assistant Professor).
Fine Art	Mr. D. Lees.
	Mr. H. Tonks (Assistant Professor).
French	Mr. W. G. Hartog.
Greek and Latin ..	Mr. L. Solomon.
Philosophy	Dr. A. Wolf (Assistant Professor).
Pure Mathematics..	Dr. L. N. G. Filon (Assistant Professor).
	Mr. H. J. Harris.
	Mr. J. H. Dibb.
	Mr. A. R. Richardson.

16. Mr. W. G. Hartog and Mr. Leslie Wilkinson have been appointed members of the College Faculty of Arts.

Faculty of Laws.

Professor R. W. Lee has been reappointed to the Chair of Roman Dutch Law.

Pending further consideration on the question of title Mr. G. H. Hurst has been re-appointed Acting-Professor of English Law, and Mr. G. H. Morgan Acting-Professor of Constitutional Law, each for a term of three years.

Faculty of Science.

1. Professor F. T. Trouton has been re-appointed to the Quain Chair of Physics for a further period of seven years.

2. Mr. E. M. Cutting has been appointed an Assistant in the Department of Botany.

3. Mr. H. J. Harris has been reappointed Sub-Dean of the Faculty of Science for the current Session.

4. Miss Agnes Robertson (now Mrs. Newell Arber) has resigned her Lectureship in the Department of Botany on her marriage.

5. The following Assistants have been reappointed for the current Session :—

Botany	Mr. T. G. Hill (Assistant Professor).
	Dr. F. E. Fritsch (Assistant Professor).
Chemistry	Dr. R. W. Gray (Assistant Professor).
	Mr. E. C. C. Baly (Assistant Professor).
	Dr. W. B. Tuck.
	Miss K. A. Burke.
Geology	Miss Edith Goodyear.
Applied Mathematics .	Mr. E. Cunningham (Assistant
	Mr. M. T. Ormsby. Professor).
	Mr. E. Sprague.
	Miss E. Y. Thomson.
	Miss Julia Bell.
	Miss K. V. Ryley.
Physics	Mr. A. W. Porter (Assistant Professor).
	Mr. N. Eumorfopoulos.
	Mr. A. O. Rankine.
Zoology	Dr. W. N. F. Woodland.
	Mr. C. H. O'Donoghue.

6. The following Demonstrators have been appointed :—

Chemistry :—Mr. E. de B. Barnett, Mr. H. T. Clarke, Mr. E. G. Davis, Mr. A. C. G. Egerton, Miss Maud Gazdar, Mr. C. D. V. Georgi, Mr. A. W. Hutchison, Dr. W. C. McC. Lewis, Mr. H. J. Page, Mr. H. S. Patterson, Mr. I. G. Rankin, Mr. G. T. P. Tatham.

Mathematics (Applied)	Mr. R. J. Williams.
Geology	Mr. H. S. Bion.

Faculty of Engineering.

1. The College Committee have continued for the Session 1909–10 the temporary arrangements for the work of the Chair of Civil Engineering by which Mr. H. Deans lectures on Railway Engineering ; Mr. A. T. Walmisley on Waterways, Harbours, and Docks ; Mr. W. N. Blair on Roads, Street-Paving and Tramways ; and Mr. Ormsby on Surveying.

2. Mr. H. M. Hobart has been reappointed to the Lectureship in Electrical Design in connection with the Department of Mechanical and Electrical Engineering which was instituted in the previous Session.

3. Mr. G. B. Dyke has been appointed an Assistant in the Department of Electrical Engineering instead of Demonstrator as heretofore.

4. The following Assistants have been reappointed for the current Session :—

Mechanical Engineering	Mr. W. J. Goudie.
	Mr. H. P. Philpot.
	Mr. E. Sprague.

5. Mr. E. Whitehouse has been appointed Demonstrator in the Department of Mechanical Engineering.

6. Mr. G. B. Dyke and Mr. E. Sprague have been appointed Members of the College Faculty of Engineering.

Faculty of Medical Sciences.

1. Dr. F. N. Kay Menzies, formerly Demonstrator in the Department of Hygiene and Public Health, has been appointed Assistant and Lecturer.

2. Mr. G. S. Hett has been reappointed Assistant in the Department of Anatomy and Curator of the Museum.

3. Dr. F. W. Goodbody has been reappointed Assistant in the Department of Pathological Chemistry with the title of Assistant Professor.

4. The following reappointments of Lecturers have been made, each for a period of three years:—

Dr. W. Page May (since deceased): Physiology of the Nervous System.
Dr. J. H. Parsons: Physiological Optics.

5. The following reappointments of Assistants have been made, each with the title of Assistant Professor:—

Physiology	Dr. W. M. Bayliss.
	Dr. G. A. Buckmaster.
	Dr. R. H. Aders Plimmer.

6. Mr. G. H. D. Webb has been appointed Demonstrator in Physiology.

REPRESENTATIVES.

The Right Hon. Lord Reay has been again co-opted as a representative of the College on the Senate.

The Senate have appointed the following representatives of the University in respect of University College:—

1. The Provost on the Governing Body of the Central Foundation Schools of London.

2. Dr. Carey Foster on the Governing Body of the United Westminster School (Boys).

3. Professor Gardner on the Governing Body of the Sutton (Surrey) County School.

4. Mr. R. K. Gray on the Governing Body of the West Ham High School for Girls.

5. Professor Garwood on the Joint Scholarships Board *vice* Professor Trouton resigned.

6. Professor F. Brown as a Trustee of the British Institution Scholarships Fund.

7. Professor H. R. Kenwood at the Third International Congress on School Hygiene in August 1910 in Paris, and at the Congress of the Royal Sanitary Institution in September 1910 at Brighton.

Dr. J. Bourne Benson, Lady Ramsay, and Mrs. John Hopkinson represent the College Committee on the Committee of Management of University College Hall, Ealing.

BENEFACTIONS AND DONATIONS.

Several important Benefactions, for which the College Committee make grateful acknowledgement, have been received during the year.

The Worshipful Company of Drapers have continued their generous support of the work carried on in the Biometric Laboratories under the supervision of Professor Karl Pearson by making a grant of £2,000 payable in annual instalments of £400. The Senate have conveyed their thanks to the Court of the Company for their munificent support and to Professor Pearson for his services during the past years in connection with the Biometric Laboratories.

The Worshipful Company of Carpenters have renewed their grant of £250 for the School of Architecture. A portion of it has been allocated to the provision of a Public Course on the History of Architecture.

An offer from Mrs. Norman Robinson to found a "Benington Memorial Studentship" in memory of the late Dr. Robert Crewdson Benington, a former research student in the Biometric Laboratories, for the encouragement of research in Craniology and Anthropometry, has been gratefully accepted.

The valuable Celtic Library of the late Dr. W. Whitley Stokes has been offered to the Senate for University College by his daughters, the Misses Stokes. The offer has been gratefully accepted by the Senate, and the Library, which contains about 3000 volumes and is considered to be one of the best Celtic Libraries in the world, will shortly be placed at the College. The acquisition of this Library is all the more gratifying as it will give additional impetus to the movement already on foot for the promotion of a Readership in Celtic Studies in connection with the College, which is one result of the lectures delivered last Session and this Session by Dr. Kuno Meyer of the University of Liverpool. Reference must be made in this connection to the continued generosity of an anonymous Friend of the College who has again this year guaranteed a sum of £50 to enable the Committee to invite Professor Kuno Meyer to deliver a second course of Lectures on Celtic Languages and their Literatures.

The Chadwick Trustees have continued their Grant of £500 for Municipal Hygiene and Municipal Engineering, and have also made a special Grant of £50 towards the cost of a Special Course on School Hygiene for Teachers.

The Crabb Robinson Trustees have shown continued interest in the support of the social life of the students of the College by making a grant of £50 in November 1909 and £100 in February 1910 (promised) towards the cost of the repairs to the Racquet Court, and a grant of £100 for the purposes of the New Athletic Ground.

The Dowager Lady Henley has presented to the College a large oil painting by Solomon Hart, R.A., "A Father of the Propaganda," which was formerly in the possession of the late Lady Goldsmid, and has had the picture and the frame carefully restored.

Professor Thane has made a donation of £5 towards the payment of an Assistant Demonstrator in Anatomy during one vacation.

Professor Carveth Read has made a donation of £15, being a portion of a fee paid to him for a course of University Lectures, to be expended for the benefit of the Psychological Laboratory at the discretion of Dr. Spearman.

The benefactions to the Libraries include: a donation of £10 from Prof. Housman towards the purchase of the periodical "Hermes"; a gift by Prof. W. P. Ker of Godefroy's Dictionnaire de l'ancienne langue française; by Prof. Gesland of a number of University Dissertations; by Sir Ernest Clarke of a set of the Reports of the Medical Officers of the Privy Council Office and Local Government Board; from the Lords Commissioners of H.M. Treasury, Nos. VIII. to XI. of the Privy Council Series of Public Record Office Publications.

A complete list of pecuniary grants made to the College during the year is given in Appendix I., p. 53. The Committee desire to express the obligations of the College to the Bodies making these grants.

OPENING OF THE NEW PHYSIOLOGY INSTITUTE.

The past year has been marked by two important ceremonies in connection with the re-arrangement and re-equipment and extension of the College Buildings, namely, the opening of the new Physiology Institute on Friday, June 18th, 1909, by the Right Hon. R. B. Haldane, M.P., F.R.S., Secretary of State for War, and the opening of the new Botanical Laboratories on Friday, December 17th, 1909, by Mr. D. H. Scott, M.A., LL.D., Ph.D., F.R.S.

Reference was made in the last Report to the beginning of the new Institute of Physiology, which has been erected in the South Quadrangle of the College, and is the first portion of an Institute of Medical Sciences, which will accommodate later the Departments of Anatomy and Pharmacology.

The Institute consists of four floors with a central staircase.

In the basement are a class-room, lavatories, store-rooms, micro-photographic rooms, the machinery room with mills and centrifuges and a five-horse power refrigerator, heating furnaces, and two small rooms, one kept at a constant temperature of 37° C., and the other at a temperature of −5° C. There is also a room fitted up for chemical operations which involve dealing with materials on a large scale.

The ground floor is entirely devoted to the Department of Physiological Chemistry. The whole of the west wing of this floor is occupied by a large students' laboratory, with 96 working places, fitted with fume cupboards. At one end of the laboratory is a balcony, open to the air, in which any operations involving the production of noxious fumes or smells can be carried on.

The east side of this floor contains eight rooms devoted to research in Physiological Chemistry, including two large laboratories with working places for 8 students, combustion room, preparation room, gas room, polarimeter room, balance room, and private room for the assistant professor in charge of the department.

On the first floor is the Professor's private room, the theatre with accommodation for 200 students, preparation room, departmental library, and the "Thomas Webb Research Laboratories" consisting of five large rooms for research in experimental physiology. One of these is especially equipped for physical measurements.

The second floor contains on the west side a large room 62 feet by 42 feet, admirably lighted from the north, and fitted for the classes

in Histology and in Experimental Physiology. In this laboratory, as in the laboratory of Physiological Chemistry, each student has a working place with drawer and cupboard, and is thus enabled, at any time of the day, to continue and extend independently the work which is done during the class hours.

The east side of the second floor consists of a demonstration theatre, laboratories for research in Histology and Neurology, and an aseptic department.

The whole Institute is warmed by low pressure steam radiators, and all the rooms are supplied with gas, high and low pressure water, and with electric leads for light and power. In the Physiological Chemistry department provision is also made for heating by electricity, when inflammable fluids are being dealt with.

Adequate ventilation is insured by a sirocco fan, worked by a 5 H.P. motor, connected by conduits with the chief rooms of the building.

On June 18th the Laboratories of the new Institute were open for inspection by guests between 4 o'clock and 4.45, when Mr. Haldane, accompanied by Lieut.-General Sir Henry MacKinnon, arrived. A Guard of Honour, consisting of the University College units of the University Contingent of the Officers Training Corps, was drawn up in the South Quadrangle.

Mr. Haldane was received by the Vice-Chancellor (Prof. M. J. M. Hill, F.R.S.), the Chairman of the College Committee (The Rt. Hon. Lord Reay, G.C.S.I.), the President of the Royal Society (Sir Archibald Geikie, K.C.B.), the President of the Royal College of Physicians (Sir R. Douglas Powell, Bart., K.C.V.O.), the President of the Royal College of Surgeons (Sir Henry Morris, Bart.), the President of the Royal Society of Medicine (Sir William Church, Bart, K.C.B.), the Principal (Dr. H. A. Miers, F.R.S.), the Provost of University College (Dr. T. Gregory Foster), the Treasurer of University College (Sir Felix Schuster, Bart.), the Dean of the Faculty of Science (Prof. Millar Thomson, F.R.S.), the Dean of the Faculty of Medicine (Prof. Sidney Martin, F.R.S.), the Chairman of the Military Education Committee (Prof. D. S. Capper), the Secretary of the Royal Society (Dr. J. Rose Bradford, F.R.S.), the Dean of the College Faculty of Medical Sciences (Prof. G. D. Thane), and the Jodrell Professor of Physiology (Dr. E. H. Starling, F.R.S.).

The Architect, Prof. Simpson, was presented to Mr. Haldane.

Mr. Haldane then inspected the laboratories of the Institute and proceeded to the large Theatre, where the opening ceremony was performed.

Among other guests also present at the opening ceremony were Prof. Caldecott, Dr. Buzzard, Dr. Waller, the Clerk to the Worshipful Company of Carpenters, Mr. Stephen Paget, Captain Egerton, Adjutant of the London Contingent of the Officers Training Corps.

The Vice-Chancellor then called upon Lord Reay, the Chairman of the University College Committee, to open the proceedings.

Lord Reay said :—

Mr. Vice-Chancellor, Ladies, and Gentlemen,—To-day's ceremony is another step in the work of consolidation and development of higher teaching in London, which it is the function of the University of London to carry out. The principal mission of the University of London is to be the highest centre of culture in the

Empire, and a continual source of new knowledge through research. This is the function of every University, but particularly so of that which is responsible for higher education of the British Empire. So far as its resources allow, University College has continually striven to uphold this ideal in bygone days before the University became a teaching University. Without alluding to any other departments of the activities of this College than that with which we are concerned to-day, I may remind you of the prominent part taken by this College in building up the English School of Physiology. During his long tenure of the Physiological Chair, Sharpey—and to his memory on this occasion we must pay a tribute of respect—was one of the greatest influences in British Science. It was an assistant of Sharpey's, Michael Foster, who, going from here to Cambridge, founded there a Biological School which to-day is perhaps the most famous in the Kingdom, and has in its turn given the impulse to the foundation of similar Schools in the provincial Universities. It was Sharpey's assistant and successor—your distinguished uncle, Mr. Haldane—Burdon-Sanderson who left here to found a Physiological School in Oxford, and thus inaugurated a revival of science in that University which bids fair to restore it to its ancient position as the home of the Sciences. Throughout the Universities of the Empire we find men holding Chairs in Physiology or Medicine who owe their scientific inspiration to the work they did at University College. Such work could not, however, attain its full development while the College was an isolated unit in London, in competition with other growing Schools, or possibly with the University itself. It was long ago recognized that only by becoming an integral part of the University could the College carry out the ideals of its illustrious founders. To-day incorporation is an accomplished fact, and we are celebrating here not the scientific progress of an isolated college, but the scientific growth of the University of London itself. When the College was incorporated in the University it was felt that many changes would be necessary to fit it for its wider sphere of activities. The need of additional accommodation was urgent in all its departments. The removal of the Boys' School gave an opportunity for the satisfaction of certain of these needs, namely those of the Departments of Arts and of Engineering. The present requirements of the Departments of Chemistry and of the Medical Sciences could not profitably be met by the reconstruction of the South Wing, and it was agreed that for each of these departments a new building was necessary; Medical Sciences, including Anatomy, Physiology, and Pharmacology, being provided with a new building in the South Quadrangle, formerly the boys' playground. Now, the Physiological Department is a part of a larger scheme for building an Institute of Medical Sciences which has already received the approval of the Senate of the University, and which only awaits, as so many things await, the provision of funds for its completion.

I think it is important to give expression on this occasion to our gratitude to the donors who enabled us to complete this first stage. In the first place the anonymous donor by his gift of £50,000 enabled the School to be moved, thus setting free the land for this new Institute, and providing £10,000 towards the expenses, Dr. Plimmer gave £2000, Dr. Ludwig Mond, who is present here to-day, £3000, Mr. Thomas Webb left a legacy of £5000, and our distinguished

friend, Sir Thomas Barlow, gave £105. There was another anonymous donor of £250, and various small, but none the less very acceptable, subscriptions from friends of the College interested in the promotion of Medical Science. The Master of the Mercers' Company, I believe, is present here to-day, and it gives me great pleasure to thank the Mercers' Company for their generosity of four years ago, in presenting £1000 towards the expenses of the Department of Physiology, and within the last two weeks £500 towards the expenses of equipping this new Institute of Physiology.

In the case of Chemistry we are still waiting for the generous donor and the pious founder, and London will not allow, I am sure, any longer, its most famous School of Science to be the worst housed in the Empire.

In this splendid building, we have the first instalment of the Institute of Medical Sciences, namely, the Institute for the study of Physiology and Physiological Chemistry. The building itself I need not describe, since you have already a printed account in your hands, and can judge for yourselves how far the description is right. I am sure that the workers here under the guidance of so distinguished a physiologist as Professor Starling will worthily uphold the traditions of the place, and I need not tell you that to Professor Starling is due the design of this Institute, and it is due to him that it is so admirably equipped in accordance with all the exigencies of present Science. While we congratulate Professor Starling heartily on his achievement and on the ceremony of this day, which to him in his career will certainly be one of very pleasant recollections, in the name of the College Committee I also wish to offer our best thanks to Professor Simpson for the supervision he has given to this building, and Professor Fleming to whom the merit is due for the installation of the electric light. Now in this building I am sure the reputation attaching to the Physiological Department of University College, now of the University of London, will be maintained, and that in its wider functions as a University Institute this building will contribute to the consolidation of Medical teaching in London and to the high character which has long been the prerogative of the London Schools of Medicine. I now ask my right honourable friend, Mr. Haldane, to open the building.

Mr. Haldane then delivered the following address before declaring the Institute of Physiology open:—

Mr. Vice-Chancellor, My Lords, Ladies and Gentlemen,—I do not feel myself a complete stranger here, because for many years I was on the Governing Body, and at the end of my time I was, I think, under you, Lord Reay, Vice-President. My memory carries me back to still earlier times when I used, almost as a boy, to come to see the relative to whom I was deeply attached, and to whom you, Lord Reay, have referred, Sir John Burdon-Sanderson, the Professor of Physiology in this College. There comes before one a long series of distinguished men, too long to be enumerated, who have contributed to the annals of the fame of the College, and I myself cannot forget two of them whom I knew. I recall the robust and virile personality of Professor Sharpey, who did so much for Science, and another who was President in the first days while I was here, a man who was a great surgeon and a perfect gentleman, Dr. Erichsen. No one who knew him will forget the graciousness of Erichsen's personality.

Ladies and Gentlemen, University College has passed since then to a still larger life, that of an integral part of the University as it is now. Its resources, its buildings, its equipment, have all developed, and I cannot but congratulate Professor Starling on having now attached to the Chair of Physiology in this College an equipment and research laboratories which put him in a first position in this respect in the rivalry of the equipment of the laboratories of the Universities of the world. That is a great step forward. The numerous rooms, the sub-division of every subject which is now possible, the apportionment of function in the difficult and complicated series of researches, all these things lend a new impetus to the work of his Chair, and I do not question for a moment that they will be followed by the result which such an object-lesson usually brings with it. I hope, Lord Reay, your anticipations about the equipment of the Chair of Chemistry will be fulfilled, and that the very distinguished man, distinguished throughout the whole world, who occupies that Chair will before long find that the resources of the Metropolis of the Empire have been able to furnish him with what is necessary to make his surroundings worthy of his fame.

Ladies and Gentlemen, we are, I think, not at the beginning, but getting on, and getting a good way on in a process of rapid development of the University life of this country. I know it is heretical to say that we have anything good in this country, but fond, passionately fond, of organisation as I am, I cannot quite share the gloomy views which a great many people entertain. I think they very often arise from want of knowledge, but I think they even more often arise from the national habit of not wishing to make too much of itself. Well, now, if you take University development, the record of the last twenty years is very interesting. I happened to read over again the other day that classical book of Matthew Arnold's on the higher schools and Universities of Germany, and in the concluding chapter he gives, with what evidently seemed to himself great courage, his views as to what ought to be the line of University development in the future in this country. But he was careful to restrain himself by what he thought was possible. He did not think that it was possible that there should be more than two or three Universities in England, but there might be faculties dotted about; we might hope to get that. That was the prognosis of a bold man who, in this case, was not the true prophet. We have got far beyond that. If you take the time when that book was written, and survey what has happened since, there has been a tremendous advance in this country. In 1893 there came the University of Wales, a University which has done splendid work, and there followed after a brief interval, in rapid succession, a number of things. I remember being engaged in an attempt to bring together a number of difficult interests in the constitution of a teaching University in London. I had a good deal to do with the Bill in Parliament, just as you had, Lord Reay, a great deal to do with the Royal Commission which preceded it. You and I can, I think, sympathise with each other over certain difficulties which possessed us. Probably we should both have to confess now that we were compromisers; but something was got through. I remember when the Bill was in great difficulties going to Mr. Chamberlain and saying to him, "Will you help us with regard to the University of London Bill"? He said, "Oh, certainly, I am glad you suggested it, but not until I look into the question of a University for Birmingham."

Before our Bill had got through—it had a difficult passage from birth to full life—Mr. Chamberlain had founded the University of Birmingham. Birmingham was followed by London, and then came a great awakening in the North. There was what was called a Federal University in the North of England where Liverpool and Manchester and Leeds were yoked together. They were yoked together as Colleges which were pulling in different ways. Liverpool announced its intention of bursting the bonds. I remember an enquiry taking place before a special committee of the Privy Council in which a number of us gave evidence, and in which none of us I think agreed with the other; but the end was that not one, but four Universities, came into existence: Liverpool, Manchester, Leeds, and afterwards Sheffield. There you see we have already got since Matthew Arnold's time, Wales, Birmingham, London, and the four I have just mentioned—seven new Universities in England alone, and latterly there has come, I am glad to say, an eighth in the shape of Bristol. That is not all, because Ireland, I am thankful to know, has got two more Universities, and now possesses three. Scotland has always possessed four, and so you see we have got fifteen altogether, in addition to the older institutions of Oxford, Cambridge, and Durham, and the majority of them have been created since Matthew Arnold wrote his book. There, again, we have not exhausted the story, because in the development of the University Colleges I might mention some illustrations of cognate developments which have been very great within that time, and there have been added these great technical colleges, certain of them like Glasgow and the West of Scotland and the Imperial College of Science and Technology in London, the rivals to the great Polytechnics of Germany.

Now, Ladies and Gentlemen, I ask you whether that is a record over which we ought to despair. It has all been done well within twenty years, and if we can go on at the pace we have been going, I have very little fear for higher education in this country. We are waking up to the meaning of it. I do not know whether we are waking up for the first time, but we have had predictions of our trade leaving us for want of scientific knowledge; those were made as long ago as Matthew Arnold's time, and they are always being made, and, while the nation is what it is, they always will be made. But the important thing is we have been making efforts, and I think in many respects we have been keeping well abreast of other nations; at any rate there has been an interest, a distinct awakening, not only to the value, but to the absolute necessity for the progress of the nation in higher knowledge, that is, knowledge of the University type, which can only be given in the institutions in which higher knowledge is taught. There is an interest on the part of Parliament, and, I think, on the part of the Treasury, in this subject, which shows that the nation is in earnest, and is gradually, and even quickly, working out its own salvation.

I wish I felt as happy about the other branches of education. Elementary education still presents its problems, but there, again, enormous advances have been made. One question, however, remains for solution, namely, the question of how to reconcile the claims of contending religious views in connection with our schools, which ought not to arise at all. If education were taken as a whole, if primary, secondary, and University education were treated all as part of one vast organisation, this question would become resolved into its

component elements, and those elements would be sent to their proper place in the dispersal of these problems. We should have no difficulty about them, but it has got to be our habit so to take a contracted view that we seem never able to give their true proportions to things. The mills of God grind slowly, but they do grind, and they are grinding this phase of the education question out of its present shape, and, if I am not very much mistaken, before very long the nation, with regard to this particular obstruction to progress, will find a solution.

Ladies and Gentlemen, unfortunately the condition of primary education—and I do not for one moment ignore the tremendous steps forward that have been made in this department—the unsolved problems of primary education prevent secondary schools from being organised as they should be, and until that is done the University cannot take the defined place, which to my mind the University ought to take. I include, of course, the building, in which I am. I allude to the class of student who has come through the secondary schools and has got his certificate of having acquired a proper status of knowledge. Universities ought not to be burdened with work which does not belong to the University at all. But it seems that the problem of secondary education is perhaps the most backward in this country, and, above all, our best known public schools are the slowest to see the wisdom of this doctrine and the need of sending their scholars properly equipped for the University. That is a great subject, and the thing that gives one hope is the men who are working at it, the Professors in the great teaching Institutions who bring to bear larger conception and riper knowledge than can be got in any other department of education, that can be brought to bear on the problem of education as a whole. It is not possible to predict with certainty in these days anything, even for a short time ahead, but I do feel that people are waking up to the claims of the University Colleges for endowments and other assistance more than they once did. We have had some magnificent examples of generosity. Some you referred to, Lord Reay, and there are others in connection with this very College. And when I read, as I do daily, with great interest, the obituary records in the "Times," not from the point of view of looking at the bequests, but rather from the point of view of seeing what is left for useful purposes, and, when I see the mighty number of bequests that are given for good purposes, I am comforted in perceiving that testators of both sexes seem to me to be more prone to leave their money for the higher education in this country. I hope that process will develop, but its development depends on the education you give, and the lead, which is not the least of the benefits of the building which in a moment it will be my duty to declare open, standing here as it does a great object-lesson to London. Do not deceive yourselves that London is too large for corporate life. Nothing is too large for corporate life. London has abundance of life in that direction when you can wake it up. It is difficult because the people are more difficult to get at. But there are no bigger people in point of resources and no bigger people in point of energy. And speaking for myself, I hope that the organisations and gifts for those purposes in London will become better than has been the experience of the past, and that we shall see people putting services that are required in their order of urgency, and putting the services of Universities and University Colleges very high indeed.

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My Lords, Ladies and Gentlemen, great reforms are difficult to bring about, and as a rule come slowly, but we must not complain if they are difficult. A great man finished a great book with some words which I will quote to you as I sit down. They are the concluding words of the last book of Spinoza's *Ethics*, which finishes by saying: *Omnia præclara tam difficilia quam rara sunt* —"all admirable things are as difficult as they are rare." And so it is with the work which you and I and all of us who are interested in this problem of the national education in its highest aspects have before us. Just because it is a great work it is a difficult work, and the opportunities for pushing it forward do not occur every day, but by resolute purpose and concentration of effort, I do not doubt we shall be able to keep it before the Nation.

I now, Mr. Vice-Chancellor, formally declare the buildings, in which we are, open.

A vote of thanks to Mr. Haldane for his visit was moved by the President of the Royal Society, Sir Archibald Geikie, and was seconded by the Principal, Dr. H. A. Miers, on behalf of the University, and supported by Prof. Starling, on behalf of the Staff of the Institute.

After the conclusion of the Ceremony in the Theatre, Mr. Haldane addressed the London Contingent of the Officers Training Corps, which was drawn up in the South Quadrangle, and, accompanied by Sir Henry Mackinnon, formally inspected the Corps.

The proceedings then terminated.

OPENING OF THE NEW BOTANICAL LABORATORIES.

The transfer of the Physiological Department to the new Physiology Institute rendered possible the provision of new Laboratories for the Department of Botany, which has now been housed in the suite of rooms on the second floor of the North Wing, formerly occupied by Physiology.

The rooms of the Department of Botany were previously scattered, and the space available was quite inadequate for the growing work of the Department.

Botany is now provided with a compact Department which is at present sufficiently commodious for its needs.

In all, fifteen rooms are included in the department; they are situated on either side of a corridor which runs the whole length of the second floor of the north wing of the College. The rooms have been allocated as follows:—

On the North side, following the Lecture Room, is the Professor's Laboratory, and adjoining this the Elementary and Advanced Laboratories. These two rooms have been thoroughly overhauled, and staging has been erected so that the working tables get the full benefit of the excellent lighting. The benches are arranged in four tiers and are fitted with water, gas and electric lamps. Each of these laboratories has seating capacity for forty students. Beyond these rooms is a large room set apart for original investigations, especially in anatomical and microscopic work. The available space is increased by the existence of a gallery along the South side with separate windows. Communicating with the Research Room is the Chemical Physiology Room with benches equipped for twenty-four

workers. As in the Research Room, there is a gallery lighted from the South and suitable for special investigations.

At the end of the corridor is a stone tank-lobby, which it may be possible, at some future date, to put to some definite use. From this lobby a flight of steps leads up to a Private Laboratory with windows on three sides.

On the South side of the corridor the rooms are all top-lighted in order to conform with the style of architecture in which the façade of the College has been built. The first room on this side has been fitted up as a Departmental Library, in which the collection of pamphlets, numbering about 4,000, has just been classified and is now about to be catalogued.

Next the Library comes the large Apse Room, which will be used as a Herbarium and Ecology Room. Here are being arranged the Ecological Collections and Photographs, Vegetation Charts, &c., connected with the field work of the department at Erquy and elsewhere, together with Biological Specimens generally. The overhead lighting of this room makes it very suitable for the examination and exhibition of specimens, and for mapping and similar purposes. The concave apsidal end of this room has been fitted with a continuous, semi-circular desk for demonstrations and temporary exhibits —a purpose for which it is well suited.

Owing to limitations of space it is not possible to make any extensive permanent display of museum specimens. Apart from a small working collection kept in glass cases in the Lecture Room and the collections in the Ecology Room, illustrative specimens appropriate to a museum are kept in store for use when required. It is, however, intended to place on the walls of the corridor a number of self-explanatory exhibits illustrating a variety of topics of current botanical interest.

Next to the Ecology Room, the old Animal Room has been converted into a Central Store for preserved material of all sorts. On one side of this store potting-benches have been erected for the service of a small conservatory which lies beyond. This green-house will be used as an adjunct to physiological work and for raising plants for class purposes. Beyond the green-house is the Attendants' Room and Workshop, and next to this comes the somewhat spacious Dark Room with equipment for photomicrographic work. Two small rooms at either end of the corridor on this side will be fitted for physiological work and for the cultivation of lower organisms, respectively.

On December 17th the New Botanical Laboratories were formally opened. The Vice-Chancellor inaugurated the proceedings by welcoming Dr. Scott in the name of the Senate, the College Committee, and the Professorial Board, and called upon him to deliver his address.

Dr. Scott said: Mr. Vice-Chancellor, my Lord, Ladies and Gentlemen,—The duty of opening the new Botanical Department, which the University has done me the great honour to place in my hands, marks the culmination for the moment of a long course of evolution. Botany, more fortunate here than in many Colleges of more modern origin, has always been recognised at University College as an independent science, co-equal with her sisters. The Department of Botany in this College dates from the foundation of

the College itself in 1826. You will remember that at that time what is now University College was known as the University of London. The first elected holder of the Chair, I am informed, was Professor, afterwards Sir William, Hooker, the famous first Director of Kew. He was unable, however, to take up the appointment, and remained Professor at Glasgow, which office he held from 1820 till 1840. The first active occupant of the professorial Chair of Botany was Professor John Lindley, who was here from 1829 to 1860, a long term of office.

Lindley carries back one's mind to the comparatively early days of Botany, the days when the natural system—that is the natural system of flowering plants—still had to fight its way. Lindley was one of the men who did most to secure its victory. Quite early he published an Introduction to the Natural System, and later on his great book "The Vegetable Kingdom," which contained, by the way, some rather curious and original modifications of what is usually considered the natural system, and exercised an immense influence on Systematic Botany. Lindley, however, was a many-sided man and made his mark not only in Systematic Botany but in various other directions, more especially in Horticulture. He had a wonderful knowledge of Horticulture, or rather I would say, of Botany as applied to Horticulture, and his long connection with "The Gardener's Chronicle" in its early days had a good deal to do with establishing that excellent journal. His work, in this connection, the scientific aspect of Gardening, has exercised a great fascination, as I happen to know, on later botanists of this College. Also he must have been an exceedingly successful teacher. I can only speak myself of his elementary works—of his "School Botany," a charming little book, I wish there were such good ones now—a book that I used to use in the Sixties, with really beautiful illustrations of British wild flowers and of common garden plants. I am reminded that during the session 1830 to 1833 special lectures on Vegetable Palæontology were given in connection with the Botanical Department. Of course, that is very interesting to some of us and reminds us that one of Lindley's great subjects was Fossil Botany. It was he, in conjunction with the geologist Hutton, who published the great "Fossil Flora of Great Britain," which is still a classic. I have a kind of personal interest in that side of Lindley's work from the fact that it brought him into contact with young Williamson, afterwards Professor W. C. Williamson, to whom I owe more perhaps than to any other man, as it was he who introduced me to the subject of Fossil Botany. Williamson was one of those who began his scientific career extraordinarily early. I think people matured earlier in those days than now. He had already written a scientific paper when he was sixteen, I think; and in his very young days he helped Lindley in the preparation of this "Fossil Flora." He sent him a certain number of fossils, especially oolitic fossils from the Yorkshire coast, and made many drawings. From 1832 onwards he had been known to Lindley as a correspondent but they had never met. On entering his name for the class in Botany at this College, young Williamson, so we learn from his autobiography, "Reminiscences of a Yorkshire Naturalist," found one of his teachers would be Professor Lindley, with whom he had been connected years before in his drawings and descriptions of plants for the "British Fossil Flora."

He gave his name "W. C. Williamson." "W. C. Williamson," repeated Mr. Lindley. He looked at the white-faced delicate lad before him and thought, "Oh, son or grandson of our correspondent, perhaps," but said "W. C. Williamson, from where?" "Scarborough," answered the youth, with a smile, meanwhile. "Scarborough," repeated Professor Lindley, "Are you then in any way related to one W. C. Williamson, with whom we corresponded some time ago?" "I had the pleasure, Sir, of corresponding with you myself some years ago." "You yourself!" He was then only quite a young man about twenty-four, though his work had been begun years before.

In 1860 Lindley retired and the Chair was then taken over by Professor D. Oliver, F.R.S. It is a fortunate circumstance, this long career of Professors at this College. You see three Professors take us back to 1829,—the present holder of the Chair, his father, and Lindley. Professor Daniel Oliver held the Chair twenty-eight years until 1888. We hoped very much he would have been present. It is a great disappointment to hear that he did not feel quite equal to the gathering this afternoon. Professor Oliver, as his friends are aware, possesses in addition to his scientific attainments, what I believe he values at least as highly, most remarkable artistic power. Then came the time, in the latter half of Professor Daniel Oliver's tenure of the post, when the first Laboratory courses in the Department of Botany were started. I think I am right in saying it was for the first time in 1879. At that date the Laboratory teaching of Botany was beginning to be prominent. The German influence was making itself felt; and from the Seventies onwards Laboratories of Practical Botany were being established in Universities and Colleges throughout the country. The first to give such practical Laboratory Courses in this College was my friend Professor Bower, whom I succeeded. Afterwards came C. A. Barber, and then Dr. F. W. Oliver, F.R.S., the present occupant of the Chair of Botany.

In 1890, I am informed, the work of the Department was placed on a broader basis by the endowment of the Chair of Botany under the Quain Bequest. The first Quain Professor to be appointed was the present head of the Department, Professor F. W. Oliver. A Quain Studentship was also instituted, the first Quain Student to be appointed being Professor F. E. Weiss.

Then a special course of lectures on Fungi was given in 1892 by Professor Marshall Ward, whose death was so great a loss to Science and to his friends, while in 1893 Mr. A. G. Tansley succeeded to the Quain Studentship and was appointed Assistant Professor three years later. A recent appointment was that of Mr. V. H. Blackman to be Lecturer on Plant Cytology in 1906, which, however, he resigned on his appointment to the Chair of Botany at Leeds University.

To provide for the increased work involved in the growth of the Department to its present stage of progress, there are now two Assistant Professors, Dr. F. E. Fritsch and Mr. T. G. Hill, an Assistant, Mr. E. M. Cutting, and a Lecturer, Miss E. N. Thomas, as well as the Quain Student, Mr. E. J. Salisbury.

When the College was first opened, it appears that the large Theatre which still bears the name "Botanical Theatre" was the sole room allotted to the Botanical Department. There was, therefore, neither a Museum nor a collection of specimens. The growth

of the Department led to changes being made in this respect, and a Laboratory in the Corridor at the North End was allotted to the Department, together with a portion of the Birkbeck building. Other rooms were added from time to time as the Department grew, making its work difficult as they were separated by considerable distances.

Now, for the first time, a compact, self-contained Department, has been provided, which, for the moment, at all events, meets all the needs. There are now fifteen rooms in this Department which seems an astonishing degree of luxury to those who knew it as it was when I came here.

One thing which I am glad to hear is that it will now be possible to pay more attention to physiological work, to the study of the plant as a going concern, than was formerly possible; the fact that Mr. T. G. Hill is a member of the staff is a good guarantee that these opportunities will be taken advantage of. I understand that the exacting work of adapting these rooms to their new purposes has been carried out by the architect, Professor Simpson, to the complete satisfaction of all concerned, and I know that Professors of Botany and their staffs are hard to satisfy.

I may be allowed to interpolate a word or two on my own personal connection with the Botanical Department, as it is this alone, now extending over exactly half my life, which can excuse my position here to-day.

In January 1882, not yet two years from my first beginning the serious study of Botany which I had started with no idea of ever being anything more than a free lance in the scientific ranks, letters came, first from Bower and then from Thiselton-Dyer, suggesting that I should undertake the laboratory course and thus "help the cause," a phrase flattering to a beginner. On hearing from Professor Oliver, I consulted my old teacher Professor Sachs, and, on his advice and that of others, accepted the post. Here I am reminded of a ludicrous remark which my friend Professor Vines made on that occasion. I had to come up to Kew, of course, and interview Professor Oliver, for whom I had not only the immense respect which we all feel for him and always shall feel, but of whom I stood in considerable awe. I should explain that I had never met him, so I asked Professor Vines, who had urged me to take the post, what I should say when I went to Professor Oliver. Professor Vines replied, "you need only say: 'Please Sir, I'm the young man without encumbrances!'"

On May 1st I began here with an Advanced Class of nine students, and there are one or two names amongst them which have become somewhat known since: for example, F. W. Oliver, and Wilson-Fox, and Scharff "used to come early," so runs a jotting in my diary. When F. W. Oliver became my pupil there began a friendship which has lasted already a good deal over a quarter of a century, and which I think I may venture to say will last as long as we do. Then in the elementary class there were twenty-five students, and, later, another advanced class. The names that have chiefly stuck in my mind are F. W. Oliver again, and Rubert, now Sir Rubert Boyce, who is well known as a pathologist. Next year, 1883, in the advanced class was W. B. Benham, now Professor Benham. That year was also interesting, for then F. W. Oliver for the first time helped in the elementary

class. So I can not only claim him as a pupil; but I am pleased to think that his introduction as teacher was also under my auspices.

Next year, 1884, in the elementary class there were about forty, and it was in that autumn that I gave my first lecture. Hitherto lectures had been regarded as entirely the duty of the Professor, but in 1884 I lectured to an advanced class, to which about ten students came. Late in the autumn of that year, in 1884, the College did me the honour to appoint me Assistant Professor.

In May, 1885, I accepted the South Kensington post, and my immediate connection as teacher with the College terminated for the time being. However, I came back at intervals, and in 1896 I had the pleasure of giving a course of lectures on "Studies in Fossil Botany," which was interesting to me, at any rate, because Fossil Botany was not then so well known as now, and to some extent the course was a new departure. Then again in 1904 I was called upon to give another course of ten lectures, and for the last time in 1908, a course which had melancholy associations, owing to the serious illness of the Professor which ensued, but from which he is now happily recovered.

One advantage of an occasion like this is that it brings before the minds of many outside the narrow ranks of specialists, the opportunity of realising what the subject of Botany is, and what it includes. Not very long ago the popular idea of Botany was simply the collecting, the drying and the naming of plants. Now it has very many branches. But the oldest is Systematic Botany growing directly out of the practical needs in which the sciences took their rise. Systematic Botany is in the first instance the knowledge and distinguishing of plants as species and then their grouping and classification. In the first instance the matter was one of convenience and reference, afterwards coming to involve investigation of what is to be regarded as their natural affinities. Systematic Botany is the oldest branch of Botany, but I should like to lay stress on the fact that it can never become old-fashioned. We do not need Systematic Botany a bit less now than a century ago; on the contrary, we want it more; and I am glad to say that perhaps there is no longer quite so much need to emphasize this as there was at the time I began teaching at this College. At that time in the minds of some people Systematic Botany was a bit under a cloud, and there was a tendency to neglect it rather in favour of the study of the structure and functions of some few plants which were favoured with selection as types. Now, I am glad to say, the pendulum has swung the other way, and the importance of a wide knowledge of plants in Systematic Botany is fairly recognised in teaching.

It would be absolutely disastrous, one feels, if Systematic Botany fell into neglect; and it would be peculiarly discreditable to English people because Systematic Botany is specially a glory of this country. I need only refer to the Hookers, father and son; the son is at this moment, at the age of 92, carrying on difficult systematic investigations. Also Professor Daniel Oliver, my lamented friend C. B. Clarke, the late Mr. Bentham, and many others whom I might name, all men of the highest ability, have distinguished themselves in this branch of science. This is characteristic—the extraordinary ability of the minds attracted towards Systematic Botany. In taking that line, I may perhaps say to those who do not know me that I am by no means speaking for

myself, as follows from a remark Sir Joseph Hooker once made to me. His remark was not intended for reproduction, therefore you must not blame him if you do not like it: "You fellows know all about the guts of plants, but you don't know the plants themselves!"

Next there is Morphology, the comparative study of the organs of plants, a tremendous subject in the middle of the last century, the hand-maid of Systematic Botany. Of course, until you know what organ corresponds to what, you cannot compare plants fairly with one another. Comparative Anatomy, the more minute internal structure, is now pressed into the same service as ancillary to Systematic Botany. Comparative Anatomy is particularly a study of the modern English School. I do not know a country which can show such comparative anatomical work as this, and it is peculiarly a characteristic of the present school at University College. Mr. A. G. Tansley, whom I am glad to see here, was one of the greatest exponents of this particular line of work, and Mr. T. G. Hill and Miss Thomas are others. The whole of these subjects of Systematic Botany, Morphology, and Comparative Anatomy, are now, with many more I have not come to yet, subservient to questions of evolution, the search for relationships having become identified with the attempt to trace descent. It is from this point of view that the work of the English school of Anatomy has been directed, and this has led to a close union with Fossil Botany, the direct investigation of the historical documents of the rocks, so often best recorded in anatomical characters. In this way the modern study of Fossil Botany, based chiefly on structure rather than on the deceptive external appearance of fossils, has reacted in an advantageous way on recent Anatomy, and has given it a more truly comparative and evolutionary character than it ever had before.

Then there is Geographical Botany which attracted Darwin so much, another great branch of Botanical Science in close alliance with Systematic, a subject which had been rather neglected among the younger botanists till it received a fresh stimulus a few years ago in connection with Professor Schimper's great book.

Going off in an entirely different direction, there is the gigantic subject of Physiology in application to plants, the investigation of living plants as such and their functions. It is on this side that our science most nearly touches Chemistry and Physics; not that I for my part believe that the functions of the plant or of any living thing will ever be explained by the laws of Chemistry and Physics as we now understand them, but because the plant, like other living things, employs chemical and physical processes in the construction and operation of its mechanism. Then we have in Ecology a vigorous modern development of the science, a branch which is specially pursued at University College, and of which we shall see some beautiful illustrations, I believe, presently. It is an exceedingly attractive subject, the only drawback being,—and it is a drawback which I am afraid people associate with a good many branches of modern science,—the technical expressions. As this is a new branch I have not got hold of them myself yet. Ecology may be described as a sort of glorified Field Botany.

Then passing off in another direction again, we have Cytology, the fascinating subject of the study of cells, a joint biological subject; because—it is one of the most astounding things—you can

study the minute details of a cell, such as the sequence of changes that take place in the dividing nucleus, and on the whole it does not matter whether you take an animal cell or a plant cell, whether you take a section of a worm or of a lily. That is a striking fact and illustrates a point I wish to make presently.

Lastly, there is the great subject of Genetics, the study of variation and heredity, which is probably the leading subject of all at the present day. I imagine that is the subject by which this age will be remembered, though the study is only actively beginning now. The impetus given by Darwin, which has been felt in many other directions, is only beginning to be felt in that particular direction which was peculiarly his own.

Thus there is a vast range of subjects included under the name of Botany, not to mention the innumerable applications of our science to practical life,—to Agriculture, Gardening, Forestry, Medicine, and Manufactures, and to other sciences such as Ethnology and Climatology.

Perhaps the great lesson from it all, though it is difficult to draw any one lesson from so vast a range of studies, perhaps the greatest lesson is that all living things are akin. Plants are our cousins, and not merely poor relations at that. Plants do not form a kingdom subordinate and inferior to that of animals, but rather an allied power; or, to vary the metaphor, a collateral branch of the same stock. It is not, as has been supposed, the highest plants that approach the lowest animals; but it is the lowest plants and animals which converge; at this point we reach the simple and strange forms where we dispute in vain in which Kingdom they may best be naturalised. To those who are not botanists the obvious point of difference betweem them is that of locomotion. I wonder how many non-botanical people realize that the power of spontaneous locomotion, as regards reproductive cells, extends right up to the Ferns, and even, as we now know, to some Flowering Plants (spermatozoids of Cycads and the Maidenhair tree). Thus, what is regarded as an essentially animal characteristic spreads over half the vegetable kingdom. I think this unity of all living things is perhaps the greatest result of all biological science.

There is no staff in this country, perhaps no staff in any Universersity anywhere, in which these many sides of a vast science are more fittingly represented. The quarters are now worthy of the garrison; they have already been put to the test: and it is a great pleasure to me officially to declare this new and attractive home of Botany formally opened.

Lord Reay, the Chairman of the University College Committee, in moving a vote of thanks to Dr. Scott for the address which he had delivered, said that University College would always be proud of the fact that at one time Dr. Scott was a member of the staff of the College and that he taught there. He hoped that as Dr. Scott had reminded his audience of the unity that there is in Nature, there would be found a similar unity in the educational efforts of the College. He wished it were possible for one of the classes of students who are not scientific students, namely, those who are members of the Indian Civil Service, to attend the Botanical Lectures. Lord Reay concluded by expressing the hope that before long he would be present again to propose a vote of thanks to the Chemist who

would open the new Chemical Laboratories for which an appeal was being issued.

Professor Oliver seconded the vote of thanks to Dr. Scott, and referred to the important part which Botany played and would increasingly play in the civilization of the world. He said that the Botanists would before long have to take up the burden of the universe in the same sense as the Chemists now sustained that burden, that is when the almost limitless possibilites and application of the subject became generally known among people at large, then the subject would have developed into a Faculty and something in the nature of a Botanical University might come into existence. Professor Oliver concluded his speech by presenting on behalf of the Teachers and Staff of the Botanical Department a souvenir to Mrs. Scott.

PROPOSED NEW CHEMICAL LABORATORIES.

The most urgent need of the College at the present time is new Chemical Laboratories.

The Chemical Laboratories at the College were for the most part built under the direction of the late Professor Alexander Williamson in the year 1871. From time to time they have been refitted and supplemented to meet the demands of the subject and the increasing number of Students in the Department. It has been impossible in the present buildings of the College to provide the requisite additional accommodation in rooms immediately adjoining the main laboratories. Consequently at the present time the Department is scattered and inconvenient, and neither in planning nor equipment is it adequate for modern Chemistry work. During the last four Sessions the College has been compelled to refuse Students for want of room, even after making such arrangements as have been possible for the laboratory work of some Students elsewhere. The number of those who desire to do research work under Sir William Ramsay and Professor Collie has also increased to such an extent that additional accommodation is now a matter of urgent necessity. The number of Students in the Department last Session was 275, of whom 36 were Research Students.

The lack of adequate accommodation for the Department of Chemistry at the College has been carefully considered by the University and College authorities, and the conclusion has been arrived at that nothing short of entirely new buildings can meet the necessities of the case, a conclusion confirmed by the Treasury Commissioners at their last inspection of the College, and also by the University Inspectors.

The provision of new buildings for the Department of Chemistry will greatly benefit other branches of University study now hampered for want of room. The space in the present buildings vacated by the Department of Chemistry will go some way towards supplying the deficiency of space for other subjects.

It was originally proposed to provide the requisite accommodation for Chemistry by erecting the North-West Wing of the College on the Gower Street frontage, but a more convenient site has been found fronting Gower Place on the North side of the present buildings of the College. This site has a frontage of about 316 ft. and an average depth of 66 ft., with a superficial area of about 20,800 ft.,

and is suitable in every way for the erection of Chemical Laboratories thereon. The Senate has acquired an option lasting for a short period to buy this site at an agreed price.

The erection of the North-West Wing of the College would necessarily be expensive, because it must be built in Portland stone and correspond in elevation with the remainder of the quadrangle of which it would form part, and for these reasons it would not be suitable for Chemical Laboratories. It is estimated that the cost could not be less than £70,000.

For this sum (£70,000) not only could the freehold of the proposed new site be acquired, but a suitable building for the Department of Chemistry could also, it is estimated, be erected upon it.

The Equipment and Endowment Fund Committee are forming a Special Committee to promote an appeal for the £70,000 necessary for this purpose. The Rt. Hon. Sir Henry Roscoe has accepted the chairmanship of the Committee.

ROYAL COMMISSION ON UNIVERSITY EDUCATION IN LONDON.

In view of the appointment of a Royal Commission on the subject of University Education in London, the College Committee have appointed a special Committee to prepare a memorandum with a view to its submission to the Commission. The terms of the reference to the Commission are as follows :—

> To inquire into the working of the present organisation of the University of London, and into other facilities for advanced education (general, professional and technical) existing in London for persons of either sex above Secondary School age; to consider what provision should exist in the Metropolis for University teaching and research; to make recommendations as to the relations which should in consequence subsist between the University of London, its incorporated Colleges, the Imperial College of Science and Technology, the other Schools of the University, and the various public institutions and bodies concerned; and further to recommend as to any changes of constitution and organisation which appear desirable. In considering these matters, regard should also be had to the facilities for education and research which the Metropolis should afford for specialist and advanced students in connexion with the provision existing in other parts of the United Kingdom and of His Majesty's Dominions beyond the Seas.

The members of the Commission are :—

The Right Hon. R. B. Haldane, K.C., M.P. (*Chairman*).
The Right Hon. Viscount Milner, G.C.B., G.C.M.G.
The Right Hon. Sir Robert Romer, G.C.B.
Sir Robert L. Morant, K.C.B.
Mr. Laurence Currie, M.A.
Mr. W. S. McCormick, M.A., LL.D.
Mr. E. B. Sargant, M.A.
Mrs. Creighton.

The Joint Secretaries for the Commission are Mr. J. Kemp and Mr. H. F. Heath.

VISIT OF THE UNIVERSITY INSPECTORS.

The College was visited last March by the following Inspectors appointed by the Senate:—Dr. A. W. Ward, the Rev. Prof. A. Caldecott, Prof. Emerson Reynolds, Prof. W. W. Watts. The Inspectors spent three days at the College and have issued a Report, which will shortly receive the attention of the College Committee.

THE WORK OF THE FACULTIES.

The further specialisation of the College Faculties referred to in the last Report (which has resulted in the institution of five Faculties, namely, Arts, Laws, Science, Engineering, and Medical Sciences) has been tried with satisfactory results during the past Session. The office of Sub-Dean in the Faculties of Arts and of Science, which was instituted experimentally last Session, has been proved to meet a distinct need. Mr. Solomon and Mr. Harris have, therefore, been re-appointed Sub-Deans for the current Session.

It is impossible here to enter into the details of the work of the Faculties and to do justice to their many Departments. The Dean's Reports which are printed in the Calendar deal with the chief developments of the Session. Other more recent events are referred to below.

The Session 1908–09 was brought to an end with an Assembly, at which the prizes and medals were distributed by the Right Hon. Lord Avebury, a former Governor of the College. An account of the proceedings is printed in the Calendar.

The Session 1909–10 was opened with the following series of Public Introductory Lectures, which were attended by 950 persons:—

Prof. Sir William Ramsay on "Radium Emanation; one of the Argon lines of Gases."
Prof. L. M. Brandin on "Les Chansons de geste du cycle de Guillaume d'Orange."
Prof. G. D. Hicks on "Present Tendencies in Philosophical Thought."
Prof. J. A. Fleming on "Electrical Inventions and the Training of Electrical Engineers."
Prof. H. R. Kenwood on "What Hygiene demands of School Teachers."
Prof. E. J. Garwood on "The Origin of Scenery."
Prof. C. Read on "The Psychology of Character."
Prof. W. M. Flinders Petrie on "Styles of Sculpture in Egypt."
Prof. A. F. Pollard on "The Royal Commission and the History School in the University of London."
Dr. T. G. Pinches on "Assur, the Old Capital of Assyria."
Mr. D. Jones on "The Pronunciation of Old French."
Mr. D. Jones on "The Pronunciation of Modern French.
Prof. A. F. Murison on "The Making of the Roman Law."
Dr. C. Spearman on "Education based on experiment, its achievements and its promise."
Mr. D. Jones on "The Alphabetical Representation of Language."

Mr. D. Jones on "The Pronunciation of English."
Dr. H. Hirschfeld on "The Phœnicians in Cyprus and Attica."
Dr. Mabel H. Bode on "Monasticism in Ancient Indian Literature."
Prof. E. A. Gardner on "Evolution and Decadence in Art."
Prof. Sir John Macdonell on "The Place of Greece in the History of Jurisprudence."
Prof. J. B. Bury on "The Constitution of the Later Roman Empire." (Special Creighton Memorial Lecture.)

The further development of Public Courses of Lectures is one of the more recent features of College work and progress is being maintained during the current Session. These Courses include :—

Mr. Halsey Ricardo on "The Italian Renaissance in Architecture." (Carpenters' Company Lectures.)
Prof. A. J. Butler on "Dante and the Renaissance" (Barlow Lectures.)
Mr. W. T. Layton on "The National Income; an estimation of its Amount and Distribution." (Newmarch Lectures).
Prof. Kuno Meyer on "Recent Research in Celtic Philology, Literature and History."
Prof. A. F. Pollard on "Queen Elizabeth and her Times."
Prof. Sir John Macdonell on "Recent Labour Legislation in Europe and the British Colonies."

The attendance at these Lectures has shown that they meet a public want. The total number of persons attending Courses of Public Lectures is about twelve hundred.

Co-operation with the London County Council.

The arrangement with the London County Council whereby properly qualified students of the London Day Training College take their Degree Courses at University College has now been in operation for nearly seven years. Each year it works with greater smoothness, the students of the Day Training College being recruited more and more from Secondary Schools and being better able to avail themselves of the teaching of the College. Of the students who entered in the fourth year, 17 completed a full three years' course and took their degrees; of these, 10 graduated in Arts (B.A.), 6 taking Honours, and 7 graduated in Science (B.Sc.), 4 taking Honours.

The Committee have been glad to co-operate with the London County Council in providing University Courses for Teachers in Mathematics, French, Greek, Art, Latin Literature, Experimental Psychology, Phonetics, Geography, and History. The seven Courses that have hitherto been held have been attended by about 590 Teachers. In History a further development has taken place by the formation of a Seminar Class in the evening for those Teachers who are sufficiently advanced and have sufficient time to give to this work.

Postgraduate Courses.

The further organisation of Postgraduate Courses recorded in the last Report has proceeded during the past Session, with the result already recorded that the number of Postgraduate and Research Students has increased from 229 to 308. A special Prospectus of Postgraduate Courses has again been issued and is to be found in the Calendar.

Publications

The lists of Original Papers and other Publications during the year 1908–09 are appended to this Report. (See Appendix III. pp. 59–74.)

FACULTY OF ARTS.

During last Session 129 Students of other Colleges attended intercollegiate courses in Arts in this College and 80 Students of this College attended similar courses at other Colleges.

Teaching of Economics.

The scheme of co-operation and intercollegiate action between the College and the School of Economics referred to in the last Report has worked satisfactorily.

Geography.

The Department of Geography has now been provided with a special room, which has been equipped with maps and plans and the other apparatus needful for the working of a modern Department of Geography.

Archæology (Classical and Egyptian).

The new Archæological Library (Yates) has led to progress in the pursuit of advanced classical studies. Prof. Gardner proposes an expedition to Greece this Easter.

The field work of the Department of Egyptology has been unusually successful. The Mound of Palaces has been found at Memphis, and the whole Palace of Apries has been cleared.

Psychology.

Dr. Spearman reports rapid growth in the number of Students of Psychology, due undoubtedly in part to the efficiency of the Department, and also to the improved position given to the subject in University studies. Additional space for this subject is already required.

Curricula for First Class Home, Indian, and Ceylon Civil Services.

In order to meet the needs of Candidates for the First Class Home, the Foreign, the Indian and Ceylon Civil Services and for Eastern Cadetships, curricula will in future be arranged under the direction of a special Censor, whose duty will be to see that Candidates for these important public services are properly trained. The first Censor to be appointed under this scheme is Prof. Pollard, an appointment which is a guarantee that the work will be carried out with thoroughness and success.

Indian School.

The Indian School continues its important public work under the Board of Indian Studies and under the Censorship of Professor Neill. Last Session, thirteen candidates elected to pass their year of probation at the College. They all passed the final examination and have proceeded to India. The highest places taken by College Students were: first and second places in the Penal Code; first and fifth places in Criminal Procedure; first in Indian History; second in Burmese; and second and eleventh in the whole examination. Fifteen selected candidates have enrolled themselves for this Session.

Oriental Studies in London.

In this connection, the Committee desire to call attention to the Report of the Committee appointed by the Lords Commissioners of H.M. Treasury to consider the organisation of Oriental Studies in London. Evidence was given to that Committee (of which Lord Reay was Chairman) by the Provost and by Professors Arnold and Neill. The Committee desire to endorse the recommendation that a School of Oriental Studies should be built up from the nucleus of Oriental Teaching now existing at University and King's Colleges, and should be incorporated in the University of London; and to express the hope that steps will be taken at an early date to give effect to this recommendation.

School of Architecture.

The growth of the School of Architecture makes the need for larger—and better—quarters urgently felt. At present the School is accommodated in the house formerly occupied by the Bursar of the Hospital at the N.W. end of the College. It is quite inadequate and very unsatisfactory in appearance. There is no room for proper equipment: the seating accommodation is now barely sufficient.

There are this Session 12 Students taking full regular day courses (Degree or Certificate) and one other who attends most of the classes, making 13 in all.

In the Advanced Design Class, held in the evenings, there are this Session 21 Students, the largest number since the class was formed 5 years ago. The studios can only accommodate that number, and no increase is therefore possible in this class.

The provision of new Laboratories for Pharmacology and Anatomy will aid the solution of the difficulty of more accommodation for Architecture.

Slade School of Fine Art.

The Slade School of Fine Art is also hoping to benefit by the erection of new Chemical Laboratories. There is at the present time pressing need for the provision of a room for a Sculpture Class. This need can be met when the present Chemistry Department has been vacated.

FACULTY OF LAWS.

The intercollegiate arrangements in the Faculty of Laws have continued to prove satisfactory. There is a steady growth in the number of Students, both undergraduate and postgraduate.

The Law Library is now open on three evenings in the week to meet the needs of these Students.

Courses in Law and Administration.

New developments are represented by the arrangement of Intercollegiate Courses in Law and Administration, for which a special prospectus has been prepared. They are arranged with a view of meeting the needs of: (*a*) those who are engaged in or intending to enter the Public Services whether of the Central Government or of Municipalities at home or in the Colonies or elsewhere; (*b*) workers in special branches of Law and Administration; (*c*) those engaged in Banking, Railways, and in the various professions and branches of commerce in which a knowledge of Law and Administration is required. The first course of this nature was delivered by Mr. Justice A. Wood Renton, his subject being "French Law within the British Empire." The Right Hon. Lord Strathcona and Mount Royal presided at the inaugural lecture.

FACULTY OF SCIENCE.

In this Faculty intercollegiate co-operation is developed by courses of University Lectures open to all Students of the University. Such courses are special or postgraduate in character. Six of these were given last Session, and were attended by 160 Students.

Applied Mathematics.

The many-sided activity of the Department of Applied Mathematics under Professor Pearson has been well maintained. The number of original papers has been greater than in any previous Session. Anxiety with regard to the continuation of certain branches of the Department has been relieved by the renewal of the Drapers Company's Grant.

Zoology.

One of the rooms vacated by Pharmacology has been re-equipped for the Department of Zoology, and it is hoped that the further extension of this Department will be possible at an early date.

Physics.

Owing to the reorganisation of the various departments of the College it has been found possible to allot an extra room to Physics. In this room a 200 atmosphere compression pump has been installed, thus meeting a want of the Department.

Chemistry and Pathological Chemistry.

The urgent need of new buildings for the Department of Chemistry has been dealt with elsewhere. The activity of the departments in the way of original work is well maintained. There were 36 research students during the past Session, and several who applied could not be admitted owing to lack of space.

FACULTY OF MEDICAL SCIENCES.

Physiology.

The chief event of the year has been the completion of the new Institute of Physiology. The Dean reports that the experience of the Summer has shown that the laboratory arrangements are fully adequate to all demands, and already a number of investigations have been carried out, in several cases by members of foreign Universities desirous of making themselves acquainted with English methods and the most recent advances in certain branches of Physiological Science.

Pharmacology

The Department of Pharmacology has been re-housed and finds, for the present, adequate room in the Birkbeck Building.

The research work of the Faculty of Medical Sciences is likely to derive a great impetus from the munificent benefaction of Mr. Otto Beit. It will be remembered that the Research Studentships to be instituted under that benefaction are tenable at several of the "Schools" of the University, and, among them, at University College.

FACULTY OF ENGINEERING.

Considerable progress has been made in the re-equipment of the Engineering Laboratory. In connection with the new Babcock and Wilcox boiler the system of steam-piping has been re-arranged and provision has been made for supplying machines at different pressures.

In the Hydraulic Laboratory a new water main has been installed together with an extensive system of piping and drains, and the old boiler now supplies steam for the pumps and other machines in the basement.

A low lift centrifugal pump with a 15 B.H.P. motor has been installed in the area which has been roofed and now forms a considerable addition to the Laboratory. In the room which was formerly a Carpenter's shop, an 18 B.H.P. Crossley Gas Engine has been erected with a line of shafting. The engine can be supplied with lighting gas or with gas from a producer which has been placed outside in the area of the South Quadrangle. Among other new apparatus now installed might be mentioned an Edwards Air Pump, a fan-brake, a gauge-testor, gauges and indicators, extensometers, machine models, a lathe and standard gas meter, and a large amount of new apparatus has been made by the two additional mechanics who are employed at present.

A number of new machines are on order.

The arrangements in the large Lecture Room have been greatly improved by the addition of a new lantern and screen and an additional large blackboard.

In the Electrical Engineering Department, a room has been equipped for photometric work with all the required apparatus for the photometry of electric lamps. In the same Department, apparatus for teaching and research in Radiotelegraphy has been provided.

Professor Fleming has recently established communication by wireless telegraphy between King's College and the Pender Electrical Laboratory at University College, and read last December to the Institution of Electrical Engineers a valuable paper dealing with the results of recent researches made by him with this plant. Much additional apparatus for the study of alternating and high frequency currents and telegraphy has been obtained.

In accordance with the arrangement made with King's College, special Postgraduate Courses in Engineering are being held this Session. These include :— Postgraduat Courses.

Prof. J. A. Fleming on "The Theory of the Propagation of Electric Currents in Telegraph and Telephone Cables and in Electric Conductors," which is being attended by over seventy students.

Mr. M. T. Ormsby on "Recent Methods and Instruments in Surveying," which is being attended by 52 students.

Mr. W. J. Goudie and Mr. E. G. Izod on "Steam Turbines," which is being attended by over fifty students.

These Postgraduate Courses have been well attended by Engineers in practice, including many members of the staffs of the public companies and public offices.

THE LIBRARIES.

The Libraries have been increased by the addition of 3076 volumes of which 2113 have been bequeathed or given and 963 purchased. A list of donors, to whom grateful thanks are accorded, is given in Appendix II. pp. 55–58.

The Science Library was rearranged and refurnished during the Long Vacation. As it is hoped that this Library will be enlarged in the near future by the addition of galleries and subsequently by throwing into it the space now occupied by the Anatomical Museum, its equipment has been necessarily of a somewhat temporary character.

The tables for readers are now placed in alcoves, and are thus isolated from the rest of the Library. The Botanical, Chemical, Zoological, and Preliminary Medical Sections have been rearranged. The current numbers of Scientific Periodicals are now placed on tables in the centre of the Library. Older works of purely historical interest are housed in the gallery. By demolishing the old and disused North-west staircase space has been obtained for a book-store, opening out of the gallery, to hold some 10,000 additional books. But a further extension will be necessary in the form of galleries down each side of the Science Library.

Two years ago the Medical Library was divided into Preliminary and Advanced Medical sections. The advanced section was removed to the Medical School, and the Preliminary, together with the Sharpey Library, was temporarily placed in the Science Library with a view of its being transferred to the Institute of Medical Sciences as soon as that building should be ready. Owing to the Institute of Medical Sciences having been only partially built, there is not at present room for the complete Library. As a temporary

measure, the physiological periodicals and certain of the more urgently wanted physiological text-books have been removed to the Institute.

Although this is only the second year in which the newly arranged Arts Libraries have been in working order, the use made of them by Students is so great that already the two largest, English and History, are overcrowded.

Certain alterations have been made in detail. One of the History Libraries has been subdivided so as to provide room for a section on Economic History. The author- and shelf-catalogues of the History Library have been completed, racks for current periodicals have been supplied. The provision of further shelving in the English, Yates, and Oriental Libraries had to be deferred, owing to the more pressing needs of the Science Library, but is nevertheless urgent.

A catalogue of editions of, and books relating to, Dante is now being put through the press.

Mocatta Library.

The Mocatta Library has been increased by the addition of 278 the volumes of which 99 were purchased and 179 presented, as shown in list of donors on pp. 55–58. During the year 102 copies of the Mocatta Library Catalogue have been presented to Public Libraries and Learned Societies. A list of the books added to the Jewish section of the Library since 1904 has been issued and distributed to a large number of libraries and individuals. The following articles have been presented to the Museum :—a Hebrew illuminated Kethubah, presented by Marcus N. Adler, Esq. ; a case containing the various instruments used in the Rite of Circumcision, presented by A. Hoffnung, Esq. ; and 7 Kethubahs and 3 medals, presented by B. Elkin Mocatta, Esq.

The reflooring and decorating of the General Library has again been of necessity deferred.

A fire-proof Strong Room, in two storeys, has been constructed. As now fitted up it will hold the MSS. of Jeremy Bentham and some 800 of the older books and MSS. It could, however, if necessary, be furnished so as to hold a very much larger number of older books and MSS. This portion of the Library obviously cannot be developed out of ordinary income, but only by private benefaction or special grant. The Committee, however, wish to point out that the number of MSS. which are in private possession and which can therefore come into the market is steadily diminishing, and that in a few years it will hardly be possible to secure MSS. except at quite fancy prices.

A beginning has been made in the formation of the Map Department—a sum of money having been given in the preceding Session by a Fellow of the College for this purpose. The College now possesses, as a portion of its Library, a small but carefully selected collection of wall maps, historical, political, and physical. The best thanks of the Committee are due to Professors Neill and Lyde for their services on the Map Sub-Committee.

An experiment has been made by the opening of the Libraries for the benefit of Law Students of the University three evenings in the week. It is hoped that the system of evening opening may be further developed.

The monthly meeting of the Library Association was held at University College on May 10th, 1909, and the Arts, General, and Science Libraries were inspected by the members of the Association.

Over 4000 books were issued to borrowers in the course of the year, and the number of books consulted has been very large, but as students have direct access to the shelves it is impossible to give the exact figures.

EVENING LECTURES AND MEETINGS.

Tho College has been open during the past Session five evenings in the week for the purposes of special work, mainly of a postgraduate nature.

The meetings of the Philological Society, the Students' Political Economy Club, the Geologists' Association, the Jewish Historical Society, the University Musical Society, and the Law Students' Society are held regularly in the College.

The College has been made the headquarters of the Historical and English Associations. The Executive Committees of these bodies met in the College, and the Annual Meetings were also held there.

RESIDENTIAL HALLS.

The social life of the College continues to derive a marked advantage from the Residential Halls, which provide collegiate residence for some of its students.

University College Hall, Ealing, has entered on a second successful year and is practically full. It includes among its residents a number of the men who are more prominent in College life.

Mrs. Viriamu Jones, the Principal of College Hall, being obliged to resign owing to bad health, has been succeeded by Miss Lindsell, who had already undertaken the duties of Principal during Mrs. Viriamu Jones' illness. The Hall is quite full this session, and there are many indications to show that additional residential accommodation for Women Students is desirable.

UNION SOCIETIES AND OTHER STUDENTS' ACTIVITIES.

Officers' Training Corps.

The establishment of the University of London contingent of the Officers Training Corps was the outcome of the new scheme of defence, which was explained to a general meeting of all students of the University by Mr. Haldane in December 1908. The University of London Corps was formed shortly after Mr. Haldane's visit, and now numbers 783 members, to which University College contributes two companies comprising 212 members. The success of the University College companies has been due to the energy and zeal of Captains A. R. Richardson, Filon, and Gray, Lieutenant Harris, Second Lieutenants Dibden, Egerton, Thomas, and Mathison.

Bazaar and Fête.

A Bazaar and Fête was organised by the Men's and Women's Unions in conjunction with the Medical Society, for the purpose of providing funds for the purchase and equipment of the Athletic Grounds at Perivale. Mr. W. F. Stanton was the Chairman of the Executive Committee Fête, and Miss Frances Chick was the Secretary. They were aided by a Committee of ladies connected with the College and by various students' committees. The Fête was held on July 1st, 2nd, and 3rd in the College buildings and grounds.

T.R.H. The Duke and Duchess of Connaught performed the opening ceremony on the first day, the Duchess of Sutherland on the second, and the Lady Reay on the third. The Fête was a great success and realised, after the payment of all expenses, the sum of about £2,400.

The reports of the Students' Societies show that the corporate life of the College is in a healthy condition. The Men's Union reports a total membership of 709.

In addition to the usual Foundation Celebrations, a Foundation Play (Sheridan's "Critic") was performed. The Foundation Oration was delivered by the Principal of the University (Dr. H. A. Miers) on "The Revival of Learning."

The "Seton" Challenge Cup for excellence in Athletics was won by the Faculty of Medical Sciences.

The Women's Union Society reports a year of satisfactory progress and a membership of 191.

The General University Societies, such as the Students' Representative Council, the Musical Society, the Union Debating Society, the Athletic Union and the Law Students' Society are all steadily growing and have received their share of support from the students of University College.

The special Societies not included in the Unions have done excellent work. An addition has been made to their number by the formation of a Historical Society.

The St. Christopher's Working Boys' Club, which provides healthy amusement for about 250 working lads living in the immediate neighbourhood of the College, has been successfully carried on during the past year under the auspices of the Christian Association. In addition to the work done in the Club quarters in Fitzroy Square, a successful Summer Camp extending over three weeks was organized at Deal.

The Old Students' Association organized three evening meetings at the College last Session. The President for the current Session is Mr. George A. Aitken, of the Home Office.

THE PEEL FUND.

The income of the Peel Fund was expended in grants for the purchase of books made to the following Institutions:—

(1) Lancashire and Yorkshire Railway Mechanics Institute (£10).

(2) Union of Lancashire and Cheshire Institutes (£10).

(3) The Lending Library, Chard (£5).

(4) Great Holland Reading Room and Institute (£5).

(5) Reading Room, Skerries, Shetland (£5).

(6) St. Barnabas, Sutton and District Horticultural Society (£1 1*s.*).

(7) Working Men's College, London (£5).

APPENDIX I.

GRANTS (1908–09).

	£	s.	d.
Treasury (General Grant)	10,000	0	0
„ (Special Grant)	450	0	0
„ („ „ for Pension Fund)	500	0	0
India Office	300	0	0
London County Council Grant and Fee Payments	3134	0	0
„ „ „ „ for Lectures to Teachers	460	0	0
Carpenters' Company	250	0	0
University Account	375	0	0
Chadwick Trustees	600	0	0
Crabb Robinson Trustees	400	0	0
Drapers' Company: Applied Mathematics Research Fund	400	0	0
Mercers' Company: New Physiology Institute Fund	500	0	0
	£17,369	0	0

ANNUAL SUBSCRIPTIONS AND DONATIONS (1908–09).

	£	s.	d.
The Chairman (Lord Reay)	25	0	0
The Treasurer (Sir Felix Schuster)	20	0	0
Mr. G. A. Aitken	1	1	0
A Member of the College (Anonymous) per the Provost	*50	0	0
Mr. Walter Baily	10	0	0
Dr. W. M. Bayliss	10	0	0
Dr. Dudley W. Buxton	*10	10	0
Mr. M. Carteighe	20	0	0
Engineering Appeal Committee per Mr. L. S. Robertson	*410	0	0
Mr. Edward Filliter	3	3	0
Lord Fitzmaurice	*10	0	0
Dr. G. Carey Foster	5	0	0
Mrs. Sophie Foster	*20	0	0
Mr. F. Douglas Fox	1	1	0
Professor E. J. Garwood	*2	2	0
Dr. F. W. Goodbody	*40	0	0
Professor Vaughan Harley	*130	0	0
Professor Sir Victor Horsley	*65	0	0
Professor A. E. Housman	*10	0	0
Miss Florence Lee	1	1	0
Mr. W. H. Lever	10	0	0
Miss Marie A. Lewenz	*2	2	0
Professor Sir John Macdonell	*15	0	0
Miss Mary C. Martin		2	0
Mr. R. E. Middleton	5	0	0
Miss Rosa Morison	2	2	0
Mr. F. Nettlefold	5	0	0
Mr. Richard Pennington	5	5	0
Carried forward	888	9	0

* For special purposes.

	£	s.	d.
Forward	888	9	0
Professor Sir William Ramsay	*25	0	0
Professor Carveth Read	*15	0	0
Sir John Rotton	*25	0	0
Sir John Rotton	5	5	0
Mr. W. Arthur Sharpe	5	5	0
Rt. Hon. Lord Shuttleworth	10	0	0
Sir Edgar Speyer	25	0	0
Sir Isidore Spielmann	3	3	0
Professor G. D. Thane	*5	0	0
Professor F. T. Trouton	*100	0	0
Professor Sir John Tweedy	25	0	0
Union Society	*74	5	3
Mr. Edwin Waterhouse	10	10	0
Mr. J. Martin White	*1	1	0
Mr. Thomas Wilson	3	3	0
Miss A. A. Wood	*1	0	0
	£1222	1	3
Transferred from Suspense Account	72	10	6
	£1294	11	9
Less amounts for expenditure in 1909–10	40	6	0
	£1254	5	9

* For special purposes.

ANNUAL SUBSCRIPTIONS AND DONATIONS promised and paid for the Current Session.

	£	s.	d.
A Member of the College "Anonymous" per the Provost	*50	0	0
A Fellow of the College per the Provost	*5	0	0
A Friend of the College per the Provost	*5	0	0
Mr. Walter Baily	10	0	0
Dr. W. M. Bayliss	10	0	0
Mr. M. Carteighe	20	0	0
Mr. Edward Filliter	3	3	0
Mr. F. Douglas Fox	1	1	0
Professor Vaughan Harley	*50	0	0
Professor J. P. Hill	*2	2	0
Professor Sir Victor Horsley	*65	0	0
Mr. W. H. Lever	10	0	0
Mr. M. T. Ormsby	*1	1	0
Rt. Hon. Lord Shuttleworth	10	0	0
Sir Isidore Spielmann	3	3	0
Mr. Thomas Wilson	3	3	0
Miss A. A. Wood	*1	0	0
	£249	13	0
Brought forward from Session 1908–09	40	6	0
	£289	19	0

* For special purposes.

APPENDIX II.

DONATIONS TO THE LIBRARY DURING THE YEAR ENDING DECEMBER 31ST, 1909.

	Vols.	Pmph.
Academia de Ciencias, Madrid ..	2	1
,, Polytechnica del Porto.	2	0
Académie des Sciences de Cracovie	2	0
,, Impériale des Sciences de St. Pétersbourg ..	0	15
,, Royale de Belgique....	19	0
Academy of Natural Sciences of Philadelphia	1	0
Accademia della Scienze fisiche, Napoli	1	0
,, Pontaniana, Napoli ..	1	0
M. Adler, Marcus N.	5	0
Admiralty, Lords Commissioners of	4	0
Adyar Library, Madras	1	0
"Agricultural Economist," Publishers of	1	0
Agricultural Research Institute, Pusa	0	5
Alleghany Observatory	0	3
M. American Jewish Historical Society	2	0
,, Museum of Natural History	2	1
,, Philosophical Society ..	1	0
,, Society of Biological Chemists..	0	1
,, ,, of Civil Engineers	2	0
Angellier, A.	1	0
Aristotelian Society	1	0
Armstrong College, Newcastle-on-Tyne	1	0
Ashby, H. T.	2	0
Astronomer Royal	2	3
"Athenæum," Publishers of	2	0
Attoe, A. E. G.	1	0
Australian Museum	0	2
Bahia, Facultade de Medicina....	3	0
Barnett. Prof. L. D.	2	0
Barry, Rev. F. R.	1	0
Barry, Sir J. Wolfe	0	1
Batavia, The Observatory.....	1	0
Bath Field Club.....	5	1
Battersea Polytechnic	2	0
Baxter, W. E.	1	0
Bayliss, Dr. W. M.	0	1
Belléli, L.	0	1
Berlin, Konigliche Technische Hochschule.....	1	0
,, Korp. der Kaufmannschaft	0	2
M. Berliner, Dr. A.	1	0
M. Bermondsey, Borough of	3	0
Birkbeck College	1	0
Birmingham and Midland Institute	0	1
M. Birmingham, Corporation of	16	0
,, Education Committee	1	0
Bishopsgate Foundation	0	1
M ,, Institute	1	0
Blount, B.	0	1
M. Board of Guardians for the Relief of the Jewish Poor	1	0
Board of Trade	7	1
Bode, Mrs. M.	3	0
Boissevain, G. M.	0	1
Bombay, Government Observatory	1	0
Bonser, W.	10	0
Boston Society of Natural History	1	3
Brazil, Government of	1	3
,, Serviço Geologico.....	1	0
M. Bristol, Corporation of	1	0
,, Naturalists' Society	0	1
British Academy.....	1	5
,, and Foreign Unitarian Association	1	1
,, Association	1	0
,, Astronomical Association .	1	1
,, Honduras, Government of	1	0
,, Museum.....	12	6
Browne, E. T.	0	3
Bureau of Standards, Washington	1	0
Butler, Prof. A. J.....	3	0
Bywater, I.	1	0
Cambridge Philosophical Society..	1	3
Canada, Government of.....	3	4
Carnegie Foundation for the Advancement of Teaching.	1	0
,, Institution of Washington	17	0
,, Trust for the Universities of Scotland	1	0
Casson, H. N.....	1	0
Cecil, Lady William	1	0
M. Central Conference of American Rabbis	22	0
Chambers, R. W.	1	0
Chemical Society	5	0
China, Imperial Maritime Customs	12	0
Christian Science Society	2	0
City and Guilds Institute	1	0
City of London College	2	0
Clarke, Sir E.....	57	1
Clarke, H. T.	0	1
M. Cohen, Henry	1	0
Coimbra, The Observatory	1	0
College of Preceptors	2	0
,, of Science, Japan	2	0
"Colliery Guardian," Publishers of	2	0
Colombo Museum	6	0
Columbia University.....	1	0
Comité géologique de St. Pétersbourg.....	10	0
Cotteswold Naturalists' Field Club	0	1
Council of Legal Education.....	1	0
Cuba, Government of	0	20
Cuerpo de Ingenieros de Minas del Peru	0	10
Cushny, Prof. A. R.	2	0
Dansk geologisk Foreening.....	0	2
Darmesteter, Mme. A.	1	0

Those donors marked "M." have presented the volumes mentioned to the Mocatta Library.

	Vols.	Pmph.
Davids, Prof. T. W. Rhys	1	0
Ealing Scientific Society	0	1
East London College	2	0
Edinburgh Geological Society	0	3
"Education," Publishers of	2	0
"Electrical Engineer," Publishers of	2	0
Engineering Standards Committee	1	11
Engineers' Society of Western Pennsylvania	1	0
Escola de Medicina Tropical de Lisboa	0	1
,, Normal, Oporto	1	0
Essex Field Club	1	0
Eumorfopoulos, N.	93	0
Field Museum of Natural History.	3	1
Fleming, Prof. J. A.	0	5
Fondazione Scientifica Cagnola, Milan	1	0
Foster, Dr. T. G.	1	0
Franklin Institute	2	0
Fritsch, Dr. F. E.	0	3
Fritsch, H.	1	0
Gardner, Prof. E. A.	6	0
Garwood, Prof. E. J.	1	1
Geological Institute of Roumania.	1	0
,, Society	2	1
,, ,, of America	1	0
,, ,, of Glasgow	1	2
,, Survey	6	1
Geologiska Föreningens i Stockholm	1	0
Geologists' Association	1	4
Gerland, Prof. J.	0	18
M. Gesellschaft zur Förderung der Wissenschaft des Judentums, Berlin	2	0
"Gibb Memorial," Trustees of the	5	0
Gilson, G.	0	1
Glasgow and West of Scotland Technical College	1	0
M. Glasgow, Corporation of	3	0
,, University of	1	0
Godlee Observatory, Manchester.	0	1
Gollancz, Prof. H.	3	1
Gollcher, O. F.	4	1
Goodhart, A. M.	1	0
Gould, G.	1	0
Graham, Dr. C.	4	0
M. Greenup, Prof. A. W.	3	0
M. Greenwich, Borough of	2	0
Halliburton, Prof. W. D.	1	0
M. Hammersmith, Borough of	3	0
Hartog, W. G.	4	0
Harvard University	2	0
Heriot-Watt College, Edinburgh.	1	0
Hertfordshire Field Club	0	2
Hicks, Prof. G. Dawes	2	2
Hilditch, T. P.	0	5
Hill, Prof. J. P.	1	13
M. Hirsch, Dr. S. A.	4	0
Historical and Natural History ociety of Manitoba	0	4
M. Hoffnung, A.	1	0
Hornell, Jas.	1	0
Huggins, Sir W.	1	0
Hurry, Dr. J. B.	1	0
Hutton, Miss A. C.	1	0
Iles, G.	0	1

	Vols	Pmph.
"Illuminating Engineer," Publishers of	1	0
Imperial College of Science	1	0
Incorporated Association of Assistant Masters	1	0
,, Society of Authors.	1	0
India, Government of	2	0
,, Office	16	20
Institute of Bankers	1	0
,, of Chemistry	1	0
,, of Marine Engineers.	1	0
Institution of Civil Engineers	5	1
,, of Electrical Engineers.	3	1
,, of MechanicalEngineers	1	1
,, of Naval Architects.	1	0
M. International Congress for the History of Religions, Committee of the Third Congress	2	0
Iowa Geological Survey	1	0
Ireland, Geological Survey	1	0
Iron and Steel Institute	3	1
Janet, C.	0	2
Japan, Government of	1	0
M. Jewish Historical Society of England	18	0
M. ,, Publication Society of America	1	0
M. Jews' College	1	0
John Crerar Library	0	1
John Rylands Library	2	0
,, ,, Hospital	1	0
Johns Hopkins University	7	11
Jones, D.	3	0
Junior Institution of Engineers	1	0
K. K. Central Anstalt für Meteorologie, Wien	2	0
,, ,, Geolog. Reichsanstalt, Wien	2	0
,, ,, Naturhistorischen Hofmuseums, Wien	1	0
,, Leop.-Carol. Akademie, Halle.	2	0
,, Natuurkundige Vereeniging	1	0
,, Nederlandsch Meteorologisch Instituut	3	0
Kenealy, A.	1	0
M. Kensington, Borough of	1	0
Ker, Prof. W. P.	20	1
Kew Gardens	6	0
King's College, London	1	0
Kodaikanal Observatory	0	18
M. Kohler, Max J.	2	0
Lantenois, H.	2	0
Lavis, H. J. Johnston	1	0
Leach, A. L.	1	0
Leeds Geological Association	0	1
,, Institute	0	2
Leicester Literary and Philosophical Society	1	0
Levy, Frau Anna	2	0
M. Levy, Rev. Solomon	3	0
"Liberty Review," Publishers of	0	1
Library of Congress	3	2
Lick Observatory	8	12
Liverpool Geological Association	0	1
,, ,, Society	0	1
London County Council	2	1
,, ,, Corporation of	1	0
,, Mathematical Society.	1	0
,, School of Economics	1	0
McGill University, Montreal	4	3

Those donors marked "M." have presented the volumes mentioned to the Mocatta Library.

	Vols.	Pmph.
Macmillan & Co.	4	0
Madras, Government of	1	0
Manchester Geological Society	2	0
,, Literary and Philosophical Society	14	0
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APPENDIX III.

List of Original Papers and other Publications from various Departments of the College (as printed in the Calendar, 1909–10).

Department of Latin. (Professor A. E. Housman.)

Professor A. E. Housman.

(1) On Manilius III. 608-617. (*Classical Quarterly*, ii. pp. 313–5.)
(2) On *sincerus* and Lucretius III. 717. (*Ibid.* iii. pp. 63–5.)
(3) On Martial VII. 79 and XII. 55. (*Journal of Philology*, xxxi. pp. 42–3.)

Department of Greek. (Professor Arthur Platt.)

Professor A. Platt.

On τε etc. with vocatives. (*Classical Review*, June 1909.)

Department of Comparative Philology. (Professor J. P. Postgate.)

Professor J. P. Postgate.

(1) On Manilius III. 590-617. (*Classical Quarterly*, ii. pp. 182-3.)
(2) Cartault's "*A Century on Tibullus.*" (*Ibid.* ii. pp. 223-30.)
(3) A Few Notes on Athenaeus. (*Ibid.* ii. pp. 294–5.)
(4) On the Text of Juvenal I. 115. (*Ibid.* iii. pp. 66–8.)
(5) On some Tibullian Problems. (*Ibid.* iii. pp. 127–31.)
(6) On some passages of Catullus and Martial. (*Classical Philology*, iii. pp. 257–63.)
(7) Catullus, LXIV. 382 ff. (*Ibid.* iii. p. 446.)
(8) Two Classical Parallels. (*Classical Review*, xxiii. p. 42.)
(9) Correction of Culex 368. (*Proceedings of the Cambridge Philological Society*, lxxix–lxxi. p. 7.)

Department of Sanskrit. (Professor L. D. Barnett.)

Professor L. D. Barnett.

(1) The Heart of India. London, 1908.
(2) The Golden Town, and other tales. London, 1909.

Department of Hebrew. (Professor H. Gollancz.)

Professor H. Gollancz.

(1) Translations from Hebrew and Aramaic (including '*Targum*' of the Song of Songs, &c.). 1908.
(2) Anglo-Judaica and other Historical Papers in a Volume of '*Sermons & Addresses.*' 1909.
(3) Service Book for New Year and Day of Atonement, Hebrew and English. (In the Press.) 1909.

North Semitic Epigraphy. (Dr. H. Hirschfeld.)

Dr. H. Hirschfeld.

(1) The new Poem attributed to Al Samaual. (Amari Memorial Volume.)
(2) The Diwān of Hassān b. Thābit according to the MSS. of the British Museum, Berlin, Paris, and St. Petersburg, edited. (Gibb Memorial, nearly ready.)

Department of English. (Professor W. P. Ker.)

Professor W. P. Ker.

(1) On the Philosophy of History; an address delivered to the Historical Society, University of Glasgow, January 8, 1909. (Glasgow, 1909.)
(2) Romance. (English Association, January 15, 1909.)

Mr. R. W. Chambers & Mr. J. H. G. Grattan.

(3) On the Text of 'Piers Plowman.' I. The A-Text. (*Modern Language Review*, iv. 3, pp. 357–89.)

Mr. R. W. Chambers.

(4) H. M. Chadwick, *The Origin of the English Nation.* (Review in the *Mod. Lang. Review*, iv. 2, pp. 262–6.)

Mr. J. H. G. Grattan.

(5) On the Text of the Prose Portion of the 'Paris Psalter.' (*Mod. Lang. Review*, iv. 2, pp. 185–9.)
(6) Minor Notes on 'Havelok the Dane.' (*Mod. Lang. Review*, iv. 1, p. 91 &c.)

Mr. G. Gould.

(7) An Essay on the Nature of Lyric. (Fifield, 1909.)

Department of French. (Professor L. M. Brandin.)

Professor L. M. Brandin.

(1) Arsène Darmesteter. Les gloses françaises de Raschi dans la Bible, avec introduction et traduction de J. Weill et notes de L. Brandin. Paris, 1909.
(2) Various Reviews in *Romania* and *The Modern Language Review*.

Department of German. (Professor R. Priebsch.)

Professor R. Priebsch.

(1) Description of German MSS. in the Library of University College sent to the Archives of the Royal Prussian Academy of Science. [*Cf.* MS. copy (M.S. German 1*) in the Library.]
(2) Untersuchung über die mhd. Dichtung vom Grafen Rudolf. Von J. Bethmann. (Review, in the *Mod. Lang Review*, vol. iv.

(3) Die heilige Regel für ein vollkommenes Leben, eine Cisterzienserarbeit des XIII Jahrhunderts hsgb. aus der Hs. Add. 9048 des British Museum. Berlin, 1909. (Bd. xvi. d. deutsch. Texte des *Mittelalters hsg. v. d. kgl. Preuss. Akademie d. Wissenschaften.*)

Mrs. J. Crosland.

(4) The Satire in Heinrich Wittenweiler's 'Ring.' (*Mod. Lang. Review*, iii. 4, p. 356 &c.)

Prof. J. G. Robertson.

(5) Milton's Fame on the Continent. (*Proceedings of the British Academy*, vol. iii.)

Agnes Löwenstein.

(6) The Sources of Hebbel's 'Agnes Bernauer.' (*Mod. Lang. Review*, vol. iv. 3, p. 302 &c., *to be continued.*)

Department of Phonetics. (Mr. D. Jones.)

Mr. D. Jones.

(1) The Pronunciation of English. (*Cambridge University Press* 1909.)
(2) Wall Charts. (i) The Organs of Speech; (ii) English Speech Sounds. (*Cambridge University Press*, 1909.)
(3) Intonation Curves. (Teubner, 1909.)
(4) Le Maitre Phonétique. (Official Organ of the *International Phonetic Association*, editor P. Passy, assistant editor D. Jones.)
(5) Scenes from Shakespeare in the Original Pronunciation (phonetic transcriptions). (Published by the *International Phonetic Association.*)

Department of History. (Professors F. C. Montague and A. F. Pollard.)

Professor F. C. Montague.

(1) Various reviews in the *English Historical Review.*

Professor A. F. Pollard.

(2) The British Empire: Past, Present, and Future. (*League of the Empire*, 1909.)
(3) A Bibliography of English History and articles on Queen Elizabeth, Henry VIII., etc., in the 10th edition of the *Encyclopædia Britannica.*
(4) Various reviews in the *English Historical Review, The Times*, etc.

Nellie Nield.

(5) The Condition of the Unfree Classes in England in the 13th and 14th centuries. (*Royal Historical Society's Prize Essay*, 1909.)

Department of Archæology. (Professor E. A. Gardner.)

Professor E. A. Gardner.

(1) Articles *altar, Greek art*, and others in the first volume of Dr. Hastings' *Encyclopædia of Religion.*
(2) Completion of articles on Greek sites for new edition of *Encyclopædia Britannica* (not yet published, but revised for press.)

(3) Various reviews on Archæological subjects in the *Athenæum.*
(4) Review of Dr. Farnell's "*Cults of the Greek States,*' Vols. III & IV. in the *Hibbert Journal.*

Ethel B. Abrahams.

(5) Greek Dress. John Murray, 1908. (M.A. Thesis, with additions.)

Department of Egyptology. (Professor W M. Flinders Petrie.)

Professor W. M. Flinders Petrie.

(1) Athribis. 26 pp., 43 pls.; with chapters by Dr. J. H. Walker and E. B. Knobel.
(2) Memphis I. 26 pp., 54 pls.; with a chapter by Dr. J. H. Walker.
(3) Personal Religion in Egypt before Christianity. 174 pp.

Miss M. A. Murray.

(4) Names and Titles of the Old Kingdom. 67 pls.

Department of Assyriology. (Dr. T. G. Pinches.)

Dr. T. G. Pinches.

(1) The Amherst Tablets, being an account of the Babylonian Inscriptions in the collection of the Right Hon. Lord Amherst of Hackney at Didlington Hall, Norfolk. Part I. Texts of the Period extending to and including the reign of Bûr-Sin (about 2500 B.C.).
(2) "The Goddess Istar in Assyro-Babylonian Literature." (*Proc. Soc. of Biblical Archæology,* Jan. & Feb. 1909.)
(3) "Architecture (Assyro-Babylonian, Phœnician)," "Art (Assyro-Babylonian, Phœnician)," in Hastings' *Encyclopædia of Religion and Ethics.*
(4) The Cappadocian Tablets belonging to the Liverpool Institute of Archæology. (*Annals of Archæology and Anthropology* (*Liverpool Institute of Archæology*) Nov. 1908.)

Department of Philosophy. (Professors Carveth Read and G. Dawes Hicks.)

Professor Carveth Read.

(1) On the Difference between Percepts and Images. (*British Journal of Psychology,* Oct. 1908.)
(2) Review of the *Life and Letters of Herbert Spencer.* (*Mind,* Oct. 1908.)
(3) Metaphysics of Nature, 2nd ed., Nov. 1908.
(4) On the Nature of Mental Activity. (*Proceedings of the Aristotelian Society,* 1907–8.)

Professor G. Dawes Hicks.

(5) Adamson's *Development of Greek Philosophy*: Review. (*Hibbert Journal,* July 1909.)

Professor Sully.

(6) On Beauty and Expression. (*Edinburgh Review,* Oct. 1908.)

Dr. Wolf.

(7) "Natural Realism and Present Tendencies in Philosophy." (*Proceedings of the Aristotelian Society*, vol. 9.)
(8) Review of Prof. E. Meyerson's *Identité et Réalité*. (*Hibbert Journal*, No. 25.)
(9) Review of Prof. Pigou's *The Problem of Theism, and other Essays*. (*Hibbert Journal*, No. 26.)
(10) Spinoza's *Tractatus Brevis*. (In the press.)

Department of Political Economy. (Professor H. S. Foxwell.)

Professor H. S. Foxwell.

(1) Introduction to the English translation of Prof. Andréadès' *History of the Bank of England*. 8vo.
(2) Two lectures on the Banking reserve question:
1. The English banking reserve.
2. The American Crisis of 1907.

(*Journal of the Chartered Institute of Secretaries*, March, April, May, 1909.)

W. T. Layton.

(3) Census of Wages for the Amalgamated Society of Railway Servants. 1908. Folio.

Prof. D. H. Macgregor.

(4) Earnings and Surpluses. (*Economic Journal*, Dec. 1908.)

H. H.

(5) German Imperial Finance. (*Edinburgh Review*, March 1909.)

Department of Geography. (Professor L. W. Lyde.)

Professor L. W. Lyde.

(1) Text-book of Geography (A. & C. Black).
(2) Teaching of Geography (Blackie & Sons).

Department of Tamil and Telugu. Mr. R. W. Frazer.)

Mr. Frazer.

Article on "The Empire of India" in *The British Empire*, published by the League of the Empire.

Department of Architecture. (Professor F. M. Simpson.)

Mr. Leslie Wilkinson.

(1) Illustrations in the 4th edition of Anderson's *Architecture of the Renaissance in Italy*.
(2) Drawings and Notes on Italian work in the *Architectural Review*.

Department of Roman Dutch Law. (Professor R. W. Lee.)

Professor R. W. Lee.

Roman-Dutch Law in the Law Reports. (*Journal of Comparative Legislation*, vol. ix. pt. 2, 1909.)

Department of Pure Mathematics. (Professor M. J. M. Hill.)

Professor M. J. M. Hill.

(1) The contents of the Fifth and Sixth Books of Euclid (with a note on irrational numbers.) (2nd edition.)

(2) On the existence of the Integrals of a Linear Differential Equation of the Second Order. (*Messenger of Mathematics*, vol. 39, 1909.)

Dr. L. N. G. Filon.

(3) An Introduction to Projective Geometry.

J. H. C. Searle.

(4) The Summation of certain Series. (*Messenger of Mathematics*, vol. 38, no. 9, Jan. 1909.)

Department of Applied Mathematics. (Professor Karl Pearson.)

(Including the Galton Laboratory for National Eugenics.)

Professor Karl Pearson.

(1) A Biometric Study of the Red Blood Corpuscles of the Common Tadpole. (*Biometrika*, vol. vi. pp. 402–419.)

(2) On the Skin Colour of Crosses between Negro and White. (*Biometrika*, vol. vi. pp. 348–353.)

(3) On a new method of determining Correlation between a measured character A and a character B of which only the percentages of cases wherein B exceeds (or falls short of) a given intensity is recorded for each grade of A. (*Biometrika*, vol. vii. pt. I.)

(4) The Theory of Ancestral Contributions in Heredity. (*R. S. Proc.* vol. 81 B. pp. 219–224.)

(5) On the Ancestral Gametic Correlations of a Mendelian Population mating at Random. (*R. S. Proc.* vol. 81, pp. 225–229.)

(6) The Scope and Importance to the State of the Science of National Eugenics. *Second Edition* *. (*Eugenics Laboratory Lecture, Series* I.)

(7) The Groundwork of Eugenics. (*Eugenics Laboratory Lecture Series* II.)

(8) The Problem of Practical Eugenics. (*Eugenics Laboratory Lecture Series* V.) (In the Press.)

Amy Barrington and Professor Pearson.

(9) A First Study of the Inheritance of Vision and of the Relative Influence of Heredity and Environment on Sight. (*Eugenics Laboratory Publications*, No. V.)

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* A German translation has recently been issued by Teubner.

Ethel M. Elderton.

(10) The Relative Influence of Nature and Nurture. (*Eugenics Laboratory Lecture Series* III.) (In the Press.)

Professor Pearson and Ethel M. Elderton.

(11) Heredity and Environmental Factors in the Case of Sight. (In the Press.)

E. Y. Thomson, Julia Bell and Professor Pearson.

(12) A study of Nest Queens and Population Queens in the case of *Vespa vulgaris*. (*Biometrika*, vol. viii. pt. I.)

Julia Bell.

(13) On Spectral Class and Stellar Colours. (*Monthly Notices Roy. Ast. Soc.* vol. lxix. p. 108.)

(14) On Mr. W. S. Frank's Analysis of the Colours and Magnitudes of 3,630 Stars. (*Monthly Notices Roy. Ast. Soc.* March 1909.)

(15) On the Relation of Colour and Magnitude of Stars to their position with regard to the Galactic.

Professor Pearson and Julia Bell.

(16) On some points with regard to the Light Fluctuation of Variable Stars. (*Monthly Notices Roy. Ast. Soc.* vol. lxix. pp. 128–151.)

Professor Pearson.

(17) On some points with regard to the Light Fluctuation of Variable Stars. Second Paper. (*Monthly Notices Roy. Ast. Soc.* vol. xlix. pp. 573–585.)

(18) Statistical Remarks on Double Stars. (*The Observatory*, vol. xxxii. pp. 94–98.)

Galton Eugenics Laboratory Staff assisted by Dr. W. Bulloch, Dr. T. Lewis, and others.

(19) The Treasury of Human Inheritance. Parts I. & II. (Pedigrees of Diabetes insipidus, Split-Foot, Polydactylism, Brachydactylism, Pulmonary Tuberculosis, Deaf-Mutism, Chronic Trophœdema and Ability.) Plates I.–XIII. and Plates A–E. (*Eugenics Laboratory Publications*, VI.)

(20) The Treasury of Human Inheritance. Part III. (Pedigrees of Angio-neurotic Œdema, Hermaphroditism, Insanity, Deaf-Mutism, and Commercial Ability.) Plates XIV.–XXIII. and Plate F. Nearly all printed. (*Eugenics Laboratory Publications*, VII.) The thirty plates of pedigrees already prepared for this work have been drawn by Kathleen V. Ryley.

Dr. T. Arthur Harris.

(21) The Correlation between a Variable and the Deviation of a Dependent Variable from its Probable Value. (*Biometrika*, vol. vi. p. 438.)

(22) On Variation in Adoxa. (*Biometrika*, vol. vii. At Press.)

(23) A Short Method of calculating Correlation in the case of Integral Variates. (*Biometrika*, vol. vii. At Press.)

Captain W. F. Harvey (with Captain A. G. McKendrick).

(24) On the Opsonic Index, a Statistical Study. (*Biometrika*, vol. vii. pt. I.)

P. F. Everitt.

(25) On the Diffraction Fringes of the Heliometer. (Completed and awaiting publication.)

(26) On the Magnitude Correlation of Double Stars. (Nearly ready.)

A. Rhind.

(27) Tables of the Probable Errors of the Chief Constants of Skew Variations. (In the Press.)

W. H. Salmon.

(28) On the Influence of the Moon's Phase on Meteorological Phenomena.

(29) On a certain Family of Cubic Surfaces.

(30) On an analogue of Pascal's Theorem in three Dimensions.

Dr. Crewdson Benington.

(31) On a Comparison of the Chief Cranial Contours of a Variety of Races.

(32) A further series of 500 Crania, bringing the number up to 1000, out of the 1600 Egyptian Crania sent by Professor Petrie to the Biometric Laboratory in 1907, have been measured by Miss E. Y. Thomson this Session.

Assistant Professor E. Cunningham.

(33) Conformal Transformation in four dimensions and the Equations of Electrodynamics. (First Paper.) (*London Mathematical Society*, February 1909.)

(34) Same title. (Second Paper.) *London Mathematical Society*, March 1909.

Mr. Cunningham's two papers: The ω-Functions—a Class of Normal Functions, and On the Principle of Relativity in Electromagnetism, announced as ready last year have been issued in *Roy. Soc. Proc.* and *Phil. Mag.* respectively.

Professor Pearson.

(35) On New Methods of Determining Correlation. (In the Press.)

(36) Contributions to the Discussion on Heredity. (*Royal Society of Medicine*, vol. ii. pp. 54–60 and 131–134.)

Caroline Reid.

(37) On the Interrelationships of Age, Health, and Ability, from Professor Pearson's Family Records.

Department of Physics. (Professor F. T. Trouton.)

Professor F. T. Trouton.

(1) On the adsorption of solutes by solids. (*Physical Society*, 1908.)

(2) Analogy between adsorption from solutions and aqueous condensation on surfaces. (*Brit. Assoc. Report*, 1908.)

Assistant-Professor Alfred W. Porter.

(3) On an anomaly in the lagging of thin wires and narrow pipes. (*Phys. Soc.* 1908).
(4) Electric splashes on Photographic Plates. (*Phys. Soc.* 1908.)
(5) Some considerations on the teaching of Science in Schools. (In the press.)

Mr. A. O. Rankine.

(6) On the rate of growth of viscosity in congealing solutions. (*Phys. Soc.* 1908.)

P. Phillips.

(7) Note on the Recombination of Ions in Air. (*Phys. Soc.* 1908.)

C. & M. Cuthbertson.

(8) On the Refraction and Dispersion of Krypton and Xenon, and their relation to those of Helium and Argon. (*Proc. Roy. Soc.* A, vol. 81, 1908.)

C. Cuthbertson.

(9) Gaseous Refractive Indices. (*Science Progress*, Oct. 1908.)

Department of Chemistry. (Professors Sir William Ramsay and J. Norman Collie.)

Sir William Ramsay.

(1) Elements and Electrons—Presidential Address to the Chemical Society. (*Trans. Chem. Soc.* April, 1909.)
(2) Essays, biographical and chemical. (Messrs. Constable & Co., 1908.)
(3) Beobachtungen über die Unbestandigkeit des Radiumbromids. (*K.K. Akad. d. Wissensch. Wien*, 1908.)

Sir W. Ramsay and Dr. R. W. Gray.

(4) The Vapour-pressures and the Volume of Radium Emanation. (*Trans. Chem. Soc.* June 1909.)

Otto Flaschner.

(5) The action of β-rays on Photosensitive Solutions. (*Trans. Chem. Soc.* 1909, p. 327.)
(6) The mutual solubility of 2-methyl-piperidine and water. (*Trans. Chem. Soc.* 1908, p. 1000.)
(7) The miscibility of the pyridine bases with water, etc. (*Trans. Chem. Soc.* 1909, p. 668.)

Miss Burke.

(8) Chemical Dynamics of the Alkaline Iodides.—Part II. (*Zeitschr. für physik. Chem., Arrhenius Jubelband.*)

Percy May.

(9) The use of liquid ammonia as a solvent. (*Science Progress*, July 1909.)

H. E. Watson.

(10) On the wave-length of lines in the Secondary Spectrum of Hydrogen. (*Proc. Roy. Soc.* 1909.)
(11) The Spectrum of the Radium Emanation.
(12) The Density of Neon and Helium. (Ready for publication.)

Prof. Collie and H. E. Watson.

(13) The Spectrum of Cadmium in the Rare Gases of the Atmosphere. (Ready for publication.)

Prof. Collie.

(14) A curious property of Neon. (*Proc. Roy. Soc.*)

J. C. Cain.

(15) Nitrosoacetylamino-derivatives of the benzyl and diphenyl series. (*Trans. Chem. Soc.* 1909, p. 714.)
(16) Meine Theorie der Diazoverbindungen. (*Berl. Ber.* 1908, p. 4189.)
(17) Uber die Konstitution der Diazonium salze. (*Berl. Ber.* 1909, p. 1208.)
(18) Preparation of diacetyl derivatives of Diamines. (*International Congress*, 1909.)
(19) Paranitrosomethylethylamine. (*International Congress*, 1909.)

J. C. Cain, with P. May.

(20) Colouring-matter of red sanders-wood. (*International Congress*, 1909.)

Dr. A. W. Stewart.

(21) Recent advances in Organic Chemistry. (Messrs. Longmans, 1908.)

Dr. S. Smiles :—

With T. P. Hilditch.

(22) The sulphuric-acid chlorides. (*Berl. Ber.* 1908.).

With Maud Gazdar.

(23) The action of hydrogen dioxide on sulphides. (*Trans. Chem. Soc.* 1908, p. 1832.)

With H. T. Clarke.

(24) Diethoxythioxane. (*Trans. Chem. Soc.* 1909, p. 992.)

With E. de B. Barnett.

(25) Intramolecular rearrangement of diphenylamine sulphoxides. (*Trans. Chem. Soc.* 1909 ; in the press.)
(26) Derivatives of *s*-phenylphenazothionium. (*International Congress, London*, 1909.)
(27) A blue sulphur dye-stuff. (*Pat. Spec.* 5022, 1909.)
(28) Dye-stuffs derived from nitrophenylamine sulphoxides. (*Pat. Spec.* 3543, 1909.)

T. P. Hilditch.

(29) Relation between Unsaturation and Optical Activity.—Part IV. (*Trans. Chem. Soc.* 1908, p. 1618.)

(30) Optical rotatory power of Menthyl cinnamate. (*Proc. Chem. Soc.* 1908, p. 286.)

(31) The effect of continuous unsaturated groups on Optical Activity. (*Trans. Chem. Soc.* 1909, p. 331.)

P. C. Austen.

(32) The Synthesis of Complex Acridines. (*Trans. Chem. Soc.* 1908, p. 1700.)

Assistant-Professor E. C. C. Baly. (Spectroscopy.)

With C. Desch.

(33) Relation between Absorption-Spectra and Chemical Constitution.—Part IX. Nitroso- and Nitro-Groups. (*Trans. Chem. Soc.* 1908, p. 1747.)

With Dr. Schaefer.

(34) Ditto. Part X. Unsaturated Acids of the Benzene Series. (*Trans. Chem. Soc.* 1908, p. 1808.)

With Dr. W. B. Tuck.

(35) Ditto. Part XI. Some Aromatic Hydrocarbons. (*Trans. Chem. Soc.* 1908, p. 1902.)

With Miss E. G. Marsden.

(36) Do. Part XII. Some Amino-aldehydes and Ketones of the Aromatic Series. (*Trans. Chem. Soc.* 1908, p. 2108.)

With Prof. Collie and H. E. Watson.

(37) Ditto. Part XII. Some Pyrones and allied Compounds. (*Trans. Chem. Soc.* 1909, p. 144.)

With Miss Burke and Miss Marsden.

(38) Absorption-Spectra of Metallic Nitrates in relation to the Ionic Theory. (*Trans. Chem. Soc.* In the press.)

Dr. W. B. Tuck.

(39) Constitution of the Hydroxy-azo-compounds. (Ready for publication.)

Dr. R. W. Gray and Mr. F. P. Burt.

(40) The Atomic Weight of Chlorine. (*Proc. Chem. Soc.* 1908; and *Trans.* 1909.)

(41) The Compressibilities of Hydrochloric Acid and of Oxygen. (*Proc. Chem. Soc.* 1909.)

Department of Botany. (Professor F. W. Oliver.)

Professor F. W. Oliver.

(1) On *Physostoma elegans*, an archaic type of Seed from the Palæozoic rocks. (*Annals of Botany*, vol. xxiii. p. 73.)

(2) Evidence on Relation of Halophytic Vegetation to Tidal Accretion and Land Reclamation. (*Minutes of Evidence*, Roy. Comm. on Coast Erosion and Afforestation, vol. ii. pt. 2, 1909, p. 141.)

Lady Isabel Browne.

(3) The Phylogeny and Inter-relationships of the Pteridophyta. (*New Phytologist* Reprint, No. 3, 1909.)

Dr. F. E. Fritsch.

(4) Articles on "Acclimatisation of Plants" and "Plant Adaptation" in *Encycl. Mod. Agric.* 1908.

Dr. F. E. Fritsch (with L. A. Boodle.)

(5) Solereder's "*Systematic Anatomy of the Dicotyledons.*" English Translation. Vol. II. (*Clarendon Press*, Oxford, 1908.)

Mr. T. G. Hill.

(6) The Bouche d'Erquy in 1908. (*New Phytologist*, vol. viii. p. 97.)

Mr. T. G. Hill (with Miss De Fraine).

(7) On the Seedling structure of Gymnosperms, Part 1. (*Annals of Botany*, vol. xxii. p. 689.)

(8) On the Seedling Structure of Gymnosperms, Part 2. (*Annals of Botany*, vol. xxiii. p. 189.)

Sarah M. Baker.

(9) On the Causes of the Zoning of the Brown Sea Weeds on the Sea-Shore. (*New Phytologist*, vol. viii. p. 196.)

Mr. E. J. Salisbury.

(10) The Extra-floral Nectaries of the genus *Polygonum*. (*Annals of Botany*, vol. xxiii. p. 229.)

Mr. A. G. Tansley.

(11) Lectures on the Evolution of the Filicinean Vascular System. (In book form, *New Phytologist* Reprint, No. 2, 1908.)

Department of Geology. (Professor E. J. Garwood.)

Prof. Garwood.

(1) Note on a new Sounding Machine for use on Lakes and Rivers without a Boat. (*Proc. Roy. Soc.* A, vol. lxxxi. 1908.)

Dr. Marie Stopes.

(2) On Plant-containing Nodules from Japan. (*Q. J. G. S.* vol. lxv. May 1909.)

Department of Zoology. (Professor J. P. Hill.)

Professor J. P. Hill.

(1) The early Development of *Dasyurus*. (Read before Brit. Assoc. Dublin, 1908, Abstr.; *Nature*, vol. lxxviii. 1908.)

Annie Porter.

(2) A new Schizogregarine, *Merogregarina amaroucii*, nov. gen., nov. sp., parasitic in the Alimentary Tract of the Composite Ascidian, *Amaroucium* sp. (*Arch. Zool. Expér. et Gén.* 1908, [4] vol. ix. *Notes et Revue*, No. 2, pp. xliv–xlviii.)

(3) *Merogregarina amaroucii*, nov. gen., nov. sp., a Sporozoon from the Digestive Tract of the Ascidian *Amaroucium* sp. (*Archiv für Protistenkünde*, 1909, Bd. xv. pp. 227–348, pl. xxii.)
(4) *Amœba chironomi*, nov. sp., parasitic in the Alimentary Tract of the Larva of a Chironomus. With 21 Text-figures. (*Parasitology*, vol. ii. pt. i. 1909.)

M. Robinson.

(5) On the Reproduction of *Kalpidorhyncus arenicolæ* (Cunningham) (To appear probably in the *Quart. Journ. Micros. Science.*)

Mrs. L. J. Wilsmore.

(6) On some Zoantheæ from Queensland and the New Hebrides. (*Journ. Linn. Soc.* (*Zool.*) 1909.)

Department of Physiology. (Professor E. H. Starling.)

Professor E. H. Starling.

(1) A Description of the new Institute of Physiology.
(2) The Fluids of the Body. (Constable.)
(3) Article on "Absorption from the Alimentary Canal." (In Oppenheimer's *Handbuch der Biochemie.*)

Dr. W. M. Bayliss.

(4) On Reciprocal Innervation in Vaso-motor Reflexes and the action of Strychnine and of Chloroform thereon. (*Proceedings of the Royal Society*, B, vol. lxxx.)
(5) The Excitation of Vaso-dilator Nerve-fibres in Depressor Reflexes. (*Journal of Physiology*, vol. xxxvii. no. 3, August 12, 1908.)
(6) Note on the Supposed Existence of Vaso-constrictor Fibres in the Chorda Tympani Nerve. (*Journal of Physiology*, vol. xxxvii. no. 3, August 12, 1908.)
(7) Researches on the Nature of Enzyme-action.—1. On the Causes of the Rise in Electrical Conductivity under the action of Trypsin. (*Journal of Physiology*, vol. xxxvi. nos. 4 & 5, December 31, 1907.)
(8) Ueber die Permeabilität der Froschhaut mit besonderer Berücksichtigung der Wirkung von Kaliumionen und der Frage der irreciproken Durchlässigkeit. (*Festband der Biochemischen Zeitschrift* für H. J. Hamburger. S. 226.)
(9) The Properties of Colloidal Systems.—I. The Osmotic Pressure of Congo Red and some other Dye-stuffs. (*Proceedings of the Royal Society.*)

Mr. G. C. Mathison.

(10) The Estimation of Phosphorus in Urine. (*Bio-chemical Journal.*)
(11) The Output of Organic Phosphorus in Urine. (*Bio-chemical Journal.*)

Dr. R. H. Aders Plimmer.

(12) The Proteins of Egg-yolk. (*Trans. Chem. Soc.* 1908.)

Drs. R. H. Aders Plimmer and F. H. Scott.

(13) A Reaction distinguishing Phosphoprotein from Nucleoprotein and the Distribution of Phosphoproteins in Tissues. (*Trans. Chem. Soc.*)

(14) The Transformations in the Phosphorus Compounds in the Hen's Egg during Development. (*Journal of Physiology*, vol. xxxviii. no. 4, March 22, 1909.)

Dr. W. Page May and C. E. Walker.

(15) The Multiplication and Migration of Nucleoli in Nerve Cells of Mammals. (*Journ. Exp. Phys.* vol. i. April 1908.)

Dr. W. Page May and G. M. Holmes.

(16) The Origin of Pyramidal Tract. (*Brain.*)

Dr. S. B. Schryver and R. Lessing.

(17) A Physico-chemical Method for comparing the Antiseptic Value of Disinfectants. (*Journal of the Society of Chemical Industry*, London Section, January 30, 1909.)

Thomas Lewis.

(18) Studies of the Relationship between Respiration and Blood-pressure. Parts I. and II. (*Journal of Physiology*, vol. xxxvii. no. 3, August 12, 1908.)

Dr. Arno Lehndorff.

(19) Über die Ursachen der typischen Schwankungen des allgemeinen Blutdruckes bei Reizung der Vasomotoren. (*Archiv für Anatomie und Physiologie. Physiologische Abteilung*, 1908.)

F. H. Scott.

(20) On the relative parts played by Nervous and Chemical Factors in the Regulation of Respiration. (*Journal of Physiology*, vol. xxxvii. no. 4. September 16, 1908.)

R. Kaya.

(21) Distribution of Phosphoproteins in Tissues. Part II. Secreting Glands. (*Jour. Physiol.* 1909.)

R. H. Aders Plimmer, and M. Dick, C.C.Lieb.

(22) A Metabolism Experiment. (*Jour. Physiol.* 1909.)

C. C. Lieb.

(23) Note on the Estimation of Urea. (*Jour. Physiol.* 1909.)

Barbara Ayrton.

(24) The Activation of Pancreatic Juice. (*The Quarterly Journal of Experimental Physiology*, vol. ii., no. 2, March 1909.)

Dr. W. M. Bayliss.

(25) The Nature of Enzyme Action.

Dr. R. H. Aders Plimmer.

(26) Chemical Constitution of the Proteins.

Dr. S. B. Schryver.

(27) General Character of the Proteins.

} *Monographs on Biochemistry* by R. H. Aders Plimmer & F. G. Hopkins.

Department of Pharmacology. (Professor A. R. Cushny.)

Professor A. R. Cushny.

(1) Tissue disinfection with especial reference to Trypanosomiasis. (*Trans. Roy. Soc. Med. Therap. Section* 1909.)
(2) Further note on Adrenaline Isomers. (*Journ. of Physiol.* xxxviii. p. 259.)
(3) Irregularities of the heart under Aconitine. (*Heart*, vol. i., p. 1.)

Professor Cushny and Dr. J. D. Thomson.

(4) On the action of Antimonial Compounds in Trypanosomiasis. (Reports to the Colonial Office of the Committee on Tropical Diseases, 1909.)

Department of Pathological Chemistry. (Professor Vaughan Harley).

Karl H. Van Norman.

(1) The Biuret Reaction and the Cold Nitric Acid Test in the Recognition of Protein. (*Bio-chemical Journ.* vol. iv.)

Kenneth W. Goadby.

(2) A Note on Experimental Lead Poisoning. (*Journal of Hygiene*, vol. ix.)

Kenneth W. Goadby and Francis W. Goodbody.

(3) Lead Absorption and Lead Poisoning. (International Congress of Applied Chemistry.)

Owen T. Williams.

(4) Abnormal Fat Assimilation associated with some Diseases of the Intestine. (*Bio-chemical Journ.* vol. ii.)

Department of Public Health. (Professor H. Kenwood.)

Professor Kenwood.

(1) The Centralisation of Public Health Administration. (*Transactions of the Royal Sanitary Institute*, vol. xxx.)
(2) The Sanitation of Mines. (*Transactions of the Leeds Public Health Congress*, 1909.)
(3) The Bacteriological Standardisation of Disinfectants (in preparation.)
(4) Articles on Hygiene and Public Health.—"Population, estimation of," "School Hygiene," and "Vital Statistics." (*In Encyclopædia of Municipal & Sanitary Engineering.* In press.)

Professor Kenwood and Dr. F. N. Kay Menzies.

(5) The Chemical Evidence of Slight Animal Contamination of Seawater. (*Transactions of the International Congress of Chemistry*, 1909.)

Department of Pali and Buddhist Literature. (Professor T. W. Rhys Davids.)

Mabel H. Bode.

Early Pali Grammarians in Burma. (*Journal of the Pali Text Society*, 1908.)

Department of Mechanical Engineering. (Professor J. D. Cormack.)

Mr. W. J. Goudie.

The Design and Construction of Mechanical Calculators. (*Engin. Review*, Sept. 1908, Feb. 1909.)

Department of Electrical Engineering. (Professor J. A. Fleming.)

Professor J. A. Fleming.

(1) A Manual of Radiotelegraphy and Radiotelephony. (Longmans, Green & Co.)
(2) Researches on Radiotelegraphy, a Friday Evening Discourse at the Royal Institution, June 4th, 1909. (*The Electrician*, Friday June 11th, 1909.)
(3) The Function of the Earth in Radiotelegraphy. (*Engineering*, June 4th & 11th.)
(4) University Degrees in Engineering. (*Engineering*, January 8th, 1909.)

Professor J. A. Fleming and Mr. G. B. Dyke.

(5) A Note on the Production of Steady Electrical Oscillations and a Method of Testing Radiotelegraphic Receivers. Read before the Physical Society, March 26, 1909. (*Phil. Mag.* May 1909.)

Professor J. A. Fleming and H. W. Richardson.

(6) The Effect of an Air-blast upon the Spark Discharge of a Condenser charged by an Induction Coil or Transformer. Read before the Physical Society, March 26, 1909. (*Phil. Mag.* May 1909.)

APPENDIX IV.

Return of Attendances of the Members of the College Committee from 1st January, 1909, to 31st December, 1909.

Members of College Committee.	Attendances.			Total.
	College Committee.	Managing Sub-Committee.	Sub-Committees.	
No. of Meetings	9	11		
Chairman (Lord Reay)	4	..	2	5
Vice-Chairman (Sir E. Busk)....	5	..	4	9
Treasurer (Sir Felix Schuster) *.	..	..	1	1
Principal (Dr. H. A. Miers) *....	8	8	4	20
Provost (Dr. T. Gregory Foster) *.	7	11	14	31
Mr. Walter Baily *	2	7	2	11
Dr. Benson *	7	9	13	29
Prof. J. R. Bradford	4	..	..	4
Sir William J. Collins.....	2	..	..	2
Prof. J. D. Cormack *	8	8	4	20
Dr. G. Carey Foster *	6	6	4	15
The Hon. Rupert Guinness *	..	2	..	2
Mr. C. Hawksley	3	..	1	4
The Rt. Hon. Lord Herschell * ..	3	3	3	9
Mr. W. How *	2	5	2	9
Dr. Mears *	6	6	3	15
Lord Monkswell	5	..	..	5
Mr. Mullins	1	..	..	1
Prof. Neill * †	2	2	..	4
Prof. J. A. Platt	4	..	..	4
Prof. Pollard *	7	10	1	18
Mr. Sharpe *	8	1	..	9
Prof. Starling *.....	7	8	7	22
Prof. Trouton *.....	8	4	..	12
Dr. Cotterell Tupp	5	..	..	5

* Member of Managing Sub-Committee.
† Retired in February 1909.

APPENDIX V.

AUDITOR'S REPORT.

To the Senate of the
University of London.

GENTLEMEN,

Having audited the accounts of University College, with the books, accounts and vouchers for the year ended August 31st, 1909, I have to report as follows:—

The accounts presented consist of:—

1. *College Establishment Income and Expenditure Account.*
2. *Provost and Professors Retiring Fund Account.*
3. *College Trust Funds Income and Expenditure Account.*
4. *Physiology Institute Account.*
5. *General Balance-Sheet of the College.*
6. *Trust Funds Balance-Sheet (including a Schedule of Invested Funds).*

1. COLLEGE ESTABLISHMENT INCOME AND EXPENDITURE ACCOUNT:

You will see that the result of the year's working (after including debtors and creditors) shows an Income of £41,726 16*s.* 7*d.* and an Expenditure of £41,109 2*s.* 9*d.*, or an excess of Income over Expenditure of £617 13*s.* 10*d.* as compared with an excess of Income over Expenditure in 1907–8 of £1,632 0*s.* 8*d.* To this year's working credit balance of £617 13*s.* 10*d.* has to be added £450 0*s.* 0*d.*, a bequest by Mr. Henry Arthur Kay towards Re-equipment, making a total credit of £1,067 13*s.* 10*d.* This amount the Committee have used towards the expenditure in connection with the "Re-arrangement and Re-equipment of Buildings," which amounted in the year to £5,096 8*s.* 10*d.*, leaving the balance, £4,028 15*s.* 0*d.*, to be spread over and provided out of the receipts of subsequent years; meanwhile carrying it to the Suspense Account, as shown in the General Balance-Sheet of the College.

2. PROVOST AND PROFESSORS RETIRING FUND ACCOUNT:

During the year the Scheme of "Retiring gratuities" for the Present Provost and Professors of University College (approved by

the Senate of the University on July 24th, 1907, and modified by them on March 25th, 1908) has come into force. It was a question as to how the first annual statement of that fund should be presented. Your Accountant drew it up as an "Income and Expenditure Account," crediting it with the Income received and debiting it with the Expenses of administration and the amount paid to the Commercial Union Assurance Company under the Agreement between the Senate of the University and that Company of March 16th, 1909; and leaving a balance in hand, carried forwards to next year. This form of account did not approve itself to me, on the ground that the payments to the Assurance Company are not of the nature of expenditure, but rather amounts placed on deposit, under certain conditions (as specified in the said agreement) and bearing interest at $3\frac{3}{8}$ per cent. Added to this, you would not, from time to time, see, on the face of the account, the growth of the fund, or its depletion by withdrawals or annuities. I therefore suggested to the Provost, and he has accepted, the form of account now presented. This has been credited with the Special Treasury Grants amounting to £1,800, the contributions of the Provost and Professors £1,121 17*s.* 5*d.*, and interest from your Bankers (on deposit account) and from the Assurance Company, together £76 0*s.* 1*d.*, making total credits of £2,997 17*s.* 6*d.*; while to the debit side of the account has been placed the expenses of administrafion £50, leaving a balance (the Amount of the Fund) of £2,947 17*s.* 6*d.* Of this balance, £2,280 18*s.* 9*d.* was with the Assurance Company and £666 18*s.* 9*d.* with your Bankers (on deposit). It will be seen that the amount paid in the year to the Assurance Company was £2,243 14*s.* 10*d.*, being the contributions of the Provost and Professors £1,121 17*s.* 5*d.*, and the same amount £1,121 17*s.* 5*d.* contributed by the College as per clause 2 of the above Schedule.

The Provost has shown me the copy of the above Scheme, which has been stamped with the seal of the University and which bears the signature of the late Vice-Chancellor (Sir Wm. Collins) and the signatures of the Provost and Professors. Your solicitors will no doubt have advised you that all legal technicalities have been complied with and so making the Provost and Professors legally parties to the Scheme, and specially to section 26 of the Scheme, exonerating the University and the Members of the Committee of Administration from "any loss of any part of the Fund which may "occur by or in consequence of any investment made in exercise of "the powers herein contained or the payment of the fund or any "part thereof to the Commercial Union or any other Company or "Firm," or otherwise.

3. College Trust Funds Income and Expenditure Account:

As last year, not only the Income of the various Trusts, but the amount available (including initial balances) for employment in the year has been shown. It will be seen that the Income was £8,388 19*s.* 6*d.* (£8,044 10*s.* 2*d.* in 1907-8) increased by the addition of the initial balances to £9,485 8*s.* 11*d.* (£9,096 19*s.* 5*d.* in 1907-8), while the expenditure was £7,930 13*s.* 3*d.* (£8,000 10*s.* 0*d.* in 1907-8), leaving the balance to be carried forward £1,554 15*s.* 8*d.* (£1,096 9*s.* 5*d.* in 1907-8).

4. Physiology Institute Account.

This account is credited with the £10,000 received from the Equipment and Endowment Fund, from which has also been received during the year the further sum of £5,575 16*s* 8*d.*, or a total of £15,575 16*s.* 8*d.* In addition there was received Mr. Thomas Webb's bequest which (with interest on the amount, deposited with Bankers) amounted to £4,603 16*s.* 11*d.* The Mercers Company also contributed a grant of £500: of this £136 7*s.* 3*d.* has been used during the year, leaving £363 12*s.* 9*d.* standing to the credit of the Mercers Company's Account (see Balance-Sheet).

The Account may be thus summarised:

	£	*s.*	*d.*
By Equipment and Endowment Fund	15,575	16	8
Thomas Webb's Bequest & Interest	4,603	16	11
Mercers Company Grant (Part of £500)....	136	7	3
To Amount expended (as shown in A/c)	£20,316	0	10

The amount expended will be found in the General Balance-Sheet of the College, being added to the Capital Account on the one side and set out as an Asset on the other.

5. General Balance-Sheet of the College:

On the debit (or "Liabilities and Capital") side of the Balance-Sheet, you will find:—

	£	*s.*	*d.*
College General Capital Account ..... (Including £30,000, £14,017 4*s.* 3*d.*, and £15,575 16*s.* 8*d.* received from the Equipment and Endowment Executive Committee.)	222,354	12	2
Provost & Professors' Retiring Fund	2,947	17	6
Trust Funds Revenue Account	1,554	15	8
Loan from Bankers (Re-arrangement and Re-equipment of Buildings)	6,000	0	0
Outstanding Accounts and Unexpended balances	2,461	12	6
Total	£235,318	17	10

While on the credit (or "Assets") side we have:—

			£	s.	d.
College Freehold Land, Buildings, Furniture, Library, &c. (approximate valuation of 31st August, 1897)	£186,000	0 0			
Physiology Institute (Amount expended to date)	£20,316	0 10			
			206,316	0	10
Suspense Account (Re-arrangement and Re-equipment of Buildings)			6,599	10	10
Investments (Maintenance Fund)			14,017	4	3
Gower Street Houses (at cost)			4,500	0	0
Refectory Department, Plant &c.			422	4	10
Outstanding Accounts			420	19	1
Mocatta Memorial Library Fund			67	8	9
Provost and Professors' Retiring Fund:—					
Cash on deposit at Commercial Union Assurance Company	£2,280	18 9			
Cash on deposit at Bankers £690	8 9				
Less Cash in transit	23	10 0			
	666	18 9			
			2,947	17	6
Cash at Bankers & in hand			27	11	9
			£235,318	17	10

6. Trust Funds Balance-Sheet (including a Schedule of Invested Funds):

On the debit (or "Liabilities and Capital") side of the Balance-Sheet you will find:—

	£	s.	d.
College Trust Funds Capital Account	271,703	18	3
Do. do. Revenue do.	1,554	15	8
	£273,258	13	11

While on the credit (or "Assets") side we have:—

	£	s.	d.
Investments at cost (Valued at £224,425)	271,703	18	3
Amount owing by the College (Trust Income in hand)	1,554	15	8
	£273,258	13	11

I have pleasure in testifying to the care shown by your Accountant in his work, and to the improved condition of his books. I am glad to be able to add that suggestions which I made last year as to alterations in the method of book-keeping, by which the work will be lessened, have been approved by the Provost and the Committee, and will be followed in the work of the current year.

I have to thank the Provost for his uniform courtesy and kindness.

I am, Gentlemen,

Yours faithfully,

G. WALTER KNOX,
Auditor to the University.

APPENDIX VI.

UNIVERSITY OF LONDON—UNIVERSITY COLLEGE.

ACCOUNTS

For the year ended August 31st, 1909.

College Establishment—Income and Expenditure.

College Trust Funds—Income and Expenditure.

Physiology Institute Account.

Provost and Professors Retiring Fund Account.

General Balance Sheet.

Trust Funds Balance Sheet.

Schedule of Investments.

Dr. COLLEGE ESTABLISHMENT.—INCOME AND EXPENDI

EXPENDITURE.

	£ s. d.	1908–1909. £ s. d.	1907–1 £
To **Salaries Account:—**			
Professors' Stipends	7,260 2 4		
Do. do. (Paid out of Grants)	515 1 10		
Do. Share of Fees (including Suspense £584 17*s.* 0*d.*)	7,293 9 3		
Provost, Lady Superintendent and Administrative Staff	2,415 19 6		
Assistants' Salaries	5,156 15 6		
Do. do. (Paid out of Grants)	2,715 9 7		
Librarian and Library Staff	626 2 6		
Professors and Lecturers (Special Courses)	380 0 0		
		26,363 0 6	24,619
To **Wages:—**			
Chemistry Department	272 7 0		
Museum and Laboratory Attendants	1,320 10 9		
Do. (Paid out of Grants)	97 18 4		
Beadles and Porters including Liveries	1,488 18 3		
Evening Classes and Societies	96 13 5		
		3,276 7 9	3,084
		29,639 8 3	27,703
To **Apparatus, Books, etc.:—**			
Libraries	505 11 6		
Research Apparatus. (Paid out of Special Treasury Grant)	39 16 10		
Apparatus (Paid out of Drapers' Company Grant)	94 6 4		
Do. (Paid out of Annual Subscriptions and Donations)	307 12 8		
Slade School Fine Art Models	117 15 3		
Departmental Apparatus Grants	1,453 8 3		
		2,518 10 10	2,700
To **Fuel, Light, and Power:—**			
Coal	572 4 3		
Gas	384 12 3		
Electric Light and Power	886 0 4		
		1,842 16 10	1,790
To **Rents, Rates, Taxes, and Insurances:—**	.....	2,064 1 3	2,080
To **General Expenses:—**			
Advertising, Printing, Stationery, etc.	1,038 4 9		
Prizes and Medals	128 0 11		
Scholarships and Prizes (Paid out of Grants)	93 11 6		
Postages etc.	323 8 7		
Examiners Fees	2 2 0		
Medical Entrance Scholarship	76 13 0		
Auditor's Fees	31 10 0		
Payments to Union Societies (being Subscriptions included in Composition Fees)	528 13 6		
Interest on Loan	8 3 11		
Law Expenses	24 13 5		
		2,255 1 7	2,084
To **Repairs, Furniture, Stores, and Grounds:—**			
Repairs and Ordinary Maintenance	1,149 19 3		
Works Department (including Pensions)	766 12 11		
Furniture	209 12 5		
Grounds	83 7 7		
Household Stores	186 1 10		
Athletic Ground	108 10 0		
Re-arrangement and Re-equipment of Buildings Suspense Account (amount written off)	285 0 0		
		2,789 4 0	3,189
Total working Expenditure	.....	**41,109 2 9**	**39,548**
To **Re-arrangement and Re-equipment of Buildings:—**			
Expended in the year	5,096 8 10		
Less amount taken to Suspense account to be provided out of receipts of subsequent years. (See General Balance Sheet, page 91)	4,028 15 0		
		1,067 13 10	3,132
		£42,176 16 7	£42,680

UNIVERSITY COLLEGE.

Account.—For the Year ended August 31st, 1909.

Cr

INCOME.

	£ s. d.	1908-1909. £ s. d.	1907-1908. £ s. d.
By Fees:—			
General (less £261 15s. 0d. Fees returned)	22,955 9 8		
Evening Class (Architecture)	22 19 6		
Registration and Examination	96 12 0		
		23,075 1 2	22,732 7 5
By Interest and Dividends:—			
Interest on Deposits	50 5 1		
Goldsmid Fund, Balance of Interest of	463 9 1		
Maintenance Fund	407 5 9		
Do. Do. (Bawden)	640 0 0		
Alterations to Buildings Fund, Interest on	52 6 11		
Holme Fund	339 11 7		
Library Deposit Fund	9 17 4		
Trust Funds (For Administration Charges)	320 5 0		
		2,283 0 9	3,002 11 5
By Rents, Sales, etc.:—			
Houses and Land	87 4 1		
Refectory and Societies	173 0 6		
Lockers	133 6 0		
Sales of Calendars, etc.	42 14 3		
Chemistry Department	174 1 8		
Miscellaneous	103 6 3		
		713 12 9	833 17 8
By Grants:—			
Treasury Grant (Session 1908-09)	10,000 0 0		
Treasury Grant, Special (Session 1908-09)	450 0 0		
London County Council Grant and Fee Payments £3,134 0 0			
Less amount included in Fees Account and £5 Examination Fee	2,134 0 0		
	1,000 0 0		
London County Council Grant for Lectures to Teachers	460 0 0		
University Account (Physiology and Chemistry)	375 0 0		
Crabb Robinson Trustees: Athletic Ground, etc.	400 0 0		
		12,685 0 0	11,890 0 0
Treasury Grant, Special for Research, Balance brought forward from Session 1907-08	£67 11 9		
Less balance carried forward to Session 1909-10	27 14 11		
	39 16 10		
Carpenters' Company (Architecture), Balance brought forward from Session 1907-08	10 0 0		
Received, Session 1908-09	250 0 0		
	260 0 0		
Chadwick Fund:—	£ s. d.		
Balance brought forward from Session 1907-08.	70 11 7		
Received, Session 1908-09	600 0 0		
	670 11 7		
Less balance carried forward to Session 1909-10.	78 12 1		
	591 19		
Drapers' Company (Applied Mathematics):—	£ s. d.		
Balance brought forward from Session 1907-08.	499 16 0		
Received, Session 1908-09 (including £24 17s. 2d. Sale of Memoirs)	424 17 2		
	924 13 2		
Less balance carried forward to Session 1909-10.	385 6 10		
	539 6 4		
Indian School Grant:—	£ s. d.		
Balance brought forward from Session 1907-08.	22 11 5		
Received, Session 1908-09	300 0 0		
	322 11 5		
Less balance carried forward to Session 1909-10	37 17 11		
	284 13 6		
		1,715 16 2	2,090 16 5
(Total Grants (1908-09) £14,400 16s. 2d.; (1907-08) £13,980 16s. 5d.)			
Subscriptions and Donations		1,254 5 9	631 3 0
Total working Income		41,726 16 7	41,180 15 11
Henry Arthur Kay Bequest towards Re-equipment		450 0 0	
Treasury Grant towards Re-equipment			500 0 0
Transfer from College General Capital Account towards Buildings expenditure in 1907-08 as per Minute of December 3rd, 1907			1,000 0 0
		£42,176 16 7	£42,680 15 11

Dr. COLLEGE TRUST FUNDS.—INCOME AND EXPENDITURE

EXPENDITURE.

	1908-1909. £ s. d.	1907-1908. £ s. d.
To Application of Trust Fund Dividends, viz.:—		
Andrews: Scholars and Expenses	214 19 0	159 14 0
Astor: Professors	528 4 4	502 6 8
Barlow: Lecturer	25 10 10	24 6 4
Bayliss: Apparatus	58 10 8	45 11 6
Berridge: Professors and Expenses	293 3 0	327 2 11
Bucknill: Scholars and Expenses	152 8 0	129 12 0
Bunnell Lewis: Expenses	15 0	.....
Campbell Clarke: Scholar and Expenses	42 3 0	42 3 0
Carey Foster: Prize	5 0 0	.....
Cluff: Prize	15 0 0	5 6 9
Crabb Robinson: Beadle and Repairs to Flaxman Gallery	87 8 6	86 3 6
De Moleyns: Electrical Apparatus	15 0 1	14 5 8
Derby: Expenses	2 17 0	37 13 2
Edwards: Professor	150 15 5	143 13 3
Ellen Watson: Scholar and Expenses	15 19 0	15 18 0
Fielden: Professor, Scholar, and Expenses	209 10 0	185 4 0
Geological Museum: Apparatus	10 6 0	10 4 0
Goldsmid Professorship: Professors	98 13 7	93 15 4
Goldsmid, Sir F. H., Bart.: Professors and Expenses	443 7 0	426 6 0
Do. Do. Do.: College Establishment	463 9 1	440 16 4
Goodall: Scholar	21 0 0	8 8 0
Grant: Books and Binding	57 6 6	62 14 8
Griffith: Assistants	66 0 0	73 0 0
Grote: Professor	222 4 8	211 11 4
Halfon: Expenses	2 7 0	.....
Heimann: Medals	1 8 0	1 1 0
Hollier: Professor, Scholars, and Expenses	183 5 0	123 17 6
Hume: Examiners and Expenses	9 14 0	29 9 0
Jews' Commemoration: Scholars and Expenses	31 11 0	61 11 0
Jodrell Physiology: Professor	264 2 8	251 9 0
Jodrell Zoology: Professor	249 0 8	240 1 8
Lloyd: Expenses	10 0	.....
Malden: Medals and Expenses	3 0 6	21 16 0
Mayer de Rothschild: Scholar and Expenses	44 5 0	62 5 0
Melvill Nettleship: Prize	4 0 0	3 16 0
Mill: Expenses	1 8 0	21 6 0
Mocatta: Books and Binding	49 10 2	87 15 6
Morley: Medal	13 6	12 10
Morris Bursary: Bursar	16 0 0	16 0 0
Morris, John: Prize	2 17 4	2 11 0
Newmarch: Lecturer	59 6 7	57 18 4
Peel Memorial: Books, &c. for Working Men's Societies	44 5 10	67 9 11
Peene: Purchase and binding of Books	48 17 10	50 0 5
Pender Memorial: Electrical Apparatus	130 11 2	124 6 10
Postgate: Expenses	.....	6 18 3
Quain: Professors, Assistants, and Apparatus	1,731 11 6	1,617 11 6
Quain Law: Professor and Expenses	383 6 4	365 1 4
Retired Professors	.....	200 0 0
Ricardo: Books and Expenses	22 11 1	66 14 0
Schäfer: Prize	.....	18 0 0
Sharpey Scholarship: Scholar	101 9 9	96 18 7
Slade Prizes: Prizes and Expenses	68 10 0	68 10 0
Slade Professorship: Professor	228 6 3	220 3 0
Slade Scholarships: Scholars, Models and Expenses	315 1 3	303 14 10
Thompson-Yates: Professor	31 8 8	29 18 6
Tuffnell: Scholars and Expenses	168 11 0	168 6 0
Warr: Bursar	15 0 0	5 0 0
West: Scholar and Expenses	31 10 0	31 9 0
Women's History: Books	6 17 2	6 9 5
Yates Archæology: Professor and Expenses	250 8 2	273 13 7
Yates Geology: Professor and Expenses	229 17 2	252 18 7
	£7,930 13 3	£8,000 10 0
To Balance (See Balance Sheet, page 92)	1,554 15 8	1,096 9 5
	£9,485 8 11	£9,096 19 5

ACCOUNT.—FOR THE YEAR ENDED AUGUST 31ST, 1909. *Cr.*

INCOME.

	1908-1909. Receipts in the Year.	1908-1909. Total including Balances.	1907-1908.
By Trust Fund Dividends viz :—	£ s. d.	£ s. d.	£ s. d.
Andrews	198 11 7	247 16 11	208 19 4
Astor	527 13 2	527 13 2	502 6 8
Barlow	25 11 0	25 11 0	24 6 4
Bayliss	57 14 9	68 2 2	55 18 11
Berridge	296 15 0	297 8 11	327 16 10
Bucknill	157 19 10	461 5 10	432 18 0
Bunnell Lewis	14 15 11	14 15 11	.....
Campbell Clarke	45 10 9	48 2 0	44 14 3
Carey Foster	5 14 10	12 5 2	6 10 4
Cluff	7 19 8	10 4 11	7 12 0
Crabb Robinson	89 16 3	127 13 9	124 1 0
De Moleyns	15 0 1	15 0 1	14 5 3
Derby	59 12 4	78 12 0	56 12 10
Edwards	150 15 5	155 6 2	148 4 0
Ellen Watson	19 7 3	25 8 9	21 19 6
Fielden	199 11 7	224 2 1	209 14 6
Geological Museum	10 5 8	10 6 0	10 4 4
Goldsmid Professorships	98 5 4	98 13 7	94 3 7
Goldsmid, Sir F. H., Bart	906 16 1	906 16 1	867 2 4
Goodall	20 4 9	69 19 1	58 2 4
Grant	65 15 3	65 15 3	62 14 8
Griffith	66 12 1	66 15 11	73 3 10
Grote	222 4 8	222 4 8	211 11 4
Halfon	47 4 6	47 4 6	.....
Head	2 3 7	2 3 7	.....
Heimann	1 15 0	2 10 1	1 16 1
Hollier	152 7 4	191 11 10	163 2 0
Hume	68 9 5	118 10 6	79 10 1
Jews' Commemoration	32 18 10	39 2 6	67 14 8
Jodrell Physiology	264 2 8	264 2 8	51 9 0
Jodrell Zoology	249 0 6	249 0 6	240 1 8
John Oliver Hobbes (Mrs. Craigie)	2 3 1	2 3 1	.....
Lloyd	10 5 10	20 12 2	10 6 4
Malden	24 12 5	35 19 9	33 3 4
Mayer de Rothschild	47 4 1	48 7 9	63 8 5
Melvill Nettleship	4 0 0	5 18 8	5 14 8
Mill	29 5 0	46 13 1	38 14 1
Mocatta	78 5 1	139 16 3	149 6 0
Morley	13 6	13 6	12 10
Morris Bursary	17 9 7	42 9 7	41 0 0
Morris, John	3 0 2	6 11 3	6 2 1
Newmarch	59 6 7	59 6 7	57 18 4
Peel	43 10 10	52 4 0	76 3 1
Peene	51 13 9	54 16 4	53 3 0
Pender Memorial	130 11 2	130 11 2	124 6 10
Postgate	3 5 10	5 16 10	9 9 3
Quain	1,666 6 2	1,761 10 0	1,712 15 4
Quain Law	383 6 6	385 19 10	367 14 8
Retired Professors	245 10 4	395 2 10	349 12 6
Ricardo	46 2 8	52 7 6	72 18 10
Schäfer	6 2 5	13 17 11	25 15 6
Sharpey	101 9 9	101 9 9	96 18 7
Slade Prizes	72 14 6	109 19 1	105 14 7
Slade Professorship	228 6 11	228 6 11	220 3 0
Slade Scholarships	315 1 3	315 1 3	303 14 10
Thompson-Yates	31 8 8	31 8 8	29 18 6
Tuffnell	177 11 6	186 17 5	177 11 11
Warr	3 0 2	22 7 9	24 7 7
West	31 18 0	40 7 2	39 18 2
Women's History	6 16 6	6 17 2	6 10 1
Yates Archæology	250 8 2	250 8 2	273 13 7
Yates Geology	236 14 0	237 2 2	253 6 9
	£8,388 19 6	£9,485 8 11	£9,096 19 5

UNIVERSITY OF LONDON—

Dr. PHYSIOLOGY INSTITUTE

	£	s.	d.
To Architect	690	0	0
To Builders	14,000	0	0
To Clerk of Works	269	17	0
To Heating and Lighting	1,796	18	11
To Fittings &c.	3,528	17	3
To Sundries	30	7	8
	£20,316	0	10

UNIVERSITY COLLEGE.

Account to August 31st, 1909. *Cr.*

	£ s. d.	£ s. d.
By Alterations to Buildings Fund Account.		
Balance on August 31st, 1908, transferred	10,000 0 0	
(Received from Equipment and Endowment Fund)		
By Equipment and Endowment Fund	5,575 16 8	
		15,575 16 8
By Thomas Webb Bequest.		
Balance on August 31st, 1908, transferred	4,562 14 11	
Interest on Deposit Account 1908–09	41 2 0	
		4,603 16 11
By Mercers' Company (Part of Grant of £500)	.....	136 7 3
		£20,316 0 10

UNIVERSITY OF LONDON—

Dr. PROVOST AND PROFESSORS RETIRING FUND

	£ s. d.	£ s. d.
To Expenses of Administration		50 0 0
To Balance of Fund carried down		
Deposited with the Commercial Union Assurance Company.		
Cash paid to the Company to date	2,243 14 10	
Interest on Ditto	37 3 11	
	2,280 18 9	
Deposited with Bankers (*less* Cash in transit)	666 18 9	
		2,947 17 6
		£2,997 17 6

UNIVERSITY COLLEGE.

Account.—For the Year Ended August 31st, 1909. *Cr.*

	£ s. d.	£ s. d.
By Treasury Grants (Sessions 1906–1907, 1907–1908, & 1908–1909)...		1,800 0 0
By Contributions :		
Provost and Professors	965 12 5	
Professors (*via* University of London)	156 5 0	
		1,121 17 5
By Interest :		
Bank Deposit Account	38 16 2	
Commercial Uuion Assurance Company Account	37 3 11	
		76 0 1
		£2,997 17 6
By Balance of Fund brought down		£2,947 17 6

UNIVERSITY OF LONDON—

Dr. GENERAL BALANCE SHEET OF THE

LIABILITIES AND CAPITAL.

	£ s. d.	£ s. d.
To College General Capital Account.		
Balance, 31st August, 1908	202,038 11 4	
Physiology Institute (Expended to date)	20,316 0 10	
		222,354 12 2
To Trust Funds Revenue Account. (See Account, page 84)		1,554 15 8
To Loan from Bankers (Re-arrangement and Re-equipment of Buildings)		6,000 0 0
To Provost and Professors Retiring Fund Account		2,947 17 6
To Sundry Outstanding Accounts and unexpended Balances.		
	£ s. d.	
Annual Subscriptions Suspense Account	40 6 0	
Apparatus and Keys deposits	100 0 0	
Chadwick Trust	78 12 1	
Composition Fees Suspense Account	724 3 0	
Drapers' Company Grant	385 6 10	
Indian School Grant	37 17 11	
Lloyd Bequest	122 19 1	
Medical Entrance Exhibitions	64 15 0	
Mercer's Company Grant (Physiology)	363 12 9	
Mocatta Memorial Library Fund	67 11 0	
Practical Anatomy Dissection Fees	162 11 3	
Special Treasury Grant for Research	27 14 11	
Union Society Suspense Account	110 5 0	
Sundry Accounts	175 17 8	
		2,461 12 6
		£235,318 17 10

I have audited the above Accounts and Balance Sheet with the books, Report, certify them as being in accordance therewith. I have verified

16 Finsbury Circus, London, E.C.
2nd December, 1909.

UNIVERSITY COLLEGE.

COLLEGE, AUGUST 31st, 1909. *Cr.*

ASSETS.

	£ s. d.	£ s. d.
By College Freehold Land, Buildings, Furniture, Library, etc., being the *Land with the Buildings of the College* and the Buildings Extensions, at the approximate valuation of 31st August, 1897	186,000 0 0	
By Physiology Institute (Expended to date)	20,316 0 10	206,316 0 10
By Suspense Account, Re-arrangement and Re-equipment of Buildings (to be provided out of Receipts of subsequent years)		
as per last year's Balance Sheet	2,855 15 10	
Transferred this year	4,028 15 0	
	6,884 10 10	
Less written off (Income and Expenditure Account)	285 0 0	6,599 10 10
By College Investments (Maintenance Fund), at the approximate valuation of the day of £13,414*.		
Consols 2½ per cent.	7,569 0 9	
London County Council 3½ per cent.	6,448 3 6	14,017 4 3
By Gower Street Houses.		
Cost as at 31st August, 1895	.....	4,500 0 0
By Refectory Department, Plant, &c.	.....	422 4 10
By Sundry Outstanding Accounts.		
Provost and Professors Retiring Fund Account	23 10 0	
Advance for Slade Record	50 0 0	
Chemistry Department Stores	50 19 1	
Loan to Refectory	200 0 0	
Refectory for Coal, Gas, &c.	9 0 0	
University of London	87 10 0	420 19 1
By Deposit with Bankers (Mocatta Memorial Library Fund)...	.....	67 8 9
By Provost and Professors Retiring Fund.		
Cash on Deposit at Commercial Union Assurance Company	2,280 18 9	
Cash on Deposit at Bankers 690 8 9		
Less Cash in transit 23 10 0		
	666 18 9	2,947 17 6
By Cash at Bankers	9 6 5	
„ in hand	18 5 4	27 11 9
		£235,318 17 10

* In addition the College receives for the same purpose from the Bawden Trustees the Income upon £16,000 (see page 83 under Interest and Dividends).

accounts and vouchers relating thereto, and, subject to the accompanying
the Bank Balances and the Investments.

G. WALTER KNOX, B.Sc., F.C.A., *Auditor to the University.*

UNIVERSITY OF LONDON—

Dr. TRUST FUNDS.—BALANCE

LIABILITIES AND CAPITAL.

	£	s.	d.	£	s.	d.
To College Trust Funds Capital Account.						
Balance 31*st August*, 1908	270,119	3	9			
Add Benefactions &c. received during the year	1,584	14	6			
				271,703	18	3
To College Trust Funds Income and Expenditure Account.						
Balance 31*st August*, 1909, being the sum of the Balances at that date				1,554	15	8
				£273,258	13	11

I have audited the above Accounts and Balance Sheet with the books, Report certify them as being in accordance therewith. I have verified

16 Finsbury Circus, London, E.C.
2nd December, 1909.

UNIVERSITY COLLEGE.

SHEET, AUGUST 31ST, 1909. *Cr.*

ASSETS.

	£	s.	d.
By COLLEGE TRUST FUNDS as per Schedule of Invested Funds annexed, at a cost of ..... but, at valuations within the market prices of the day, of an approximate value of £224,425.	271,703	18	3
AMOUNT owing by College (see General Balance Sheet, page 90)	1,554	15	8
	£273,258	13	11

accounts, and vouchers relating thereto, and, subject to the accompanying the Bank Balances and the Investments.

G. WALTER KNOX, B.Sc. F.C.A., *Auditor to the University.*

UNIVERSITY OF LONDON.

UNIVERSITY COLLEGE.

INVESTED FUNDS. August 31st, 1909.

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	25.	26.	27.	28.	29.	30.	31.	32.	33.	34.	35.	36.	37.	38.	39.	40.
	Consols 2½ %.	Bank of England Stock.	Guaranteed 2½ % (Irish Land Act, 1903.)	London County Council 3½ %.	Metropolitan 3 %.	Metropolitan 3½ %.	Indian 3½ %.	Birmingham Corporation 3 %.	Bristol Corporation 3½ % Redeemable.	Croydon Corporation 3 % Redeemable.	Liverpool Corporation 3½ %.	Nottingham Corporation 3 % Irredeemable.	Swansea Corporation 3 %.	Scinde Railway Annuity B.	Portsmouth Corporation 2¾ % Redeemable.	Sheffield Corporation 3% Stock Redeemable.	Canadian Pacific Railway Company Preference Stock.	Cardiff Railway Debenture 3 %.	East-Indian Railway Annuity B.	Great Central Railway 4½ % Debenture Stock.	Great Eastern Railway 4 %.	Great Indian Pen. Annuity Class B.	Great Northern Ry. 4 % Perpetual Guaranteed Stock.	Great Western Railway.	Hammersmith & City Ry. Consolidated Ord. Stock.	Lancashire and Yorkshire Ry. 3 % Consolidated Pref.	London, Brighton, & South Coast Railway 4½ % Debenture Stock.	London and North-Western Railway.	London and South-Western Railway.	Metrop. District Railway 6 % Debenture.	Midland Railway 2½ %.	North London Railway.	Railway Invest. Co. Limited 4 % Preferred.	South-Eastern Railway.	Cables Printers' Assoc 4 % Perpetual 1st Mort. Debenture Stock.	Eadie Brewery 4 % Irredeemable Debenture.	Electric & Trust Limited 1 £1 Ordinary Shares.	Metropolitan Water Board 3% "A" Stock Redeemable.	United States Steel Corporation 50 Year Sinking Fund Gold Bonds Redeemable.	National Rail Road of Mexico Prior Lien 4½ % Gold Bonds.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£	£	£	£	£	£	£	£ s. d.	£	£	£	£	£	£ s. d.	£ s. d.	£	£ s. d.	£	£	£	£	£	£ s. d.		
*Maintenance Fund	7,946 6 10			6,600 15 7																																				
Andrews Scholarships						5,686 5 0																																		
Astor Professorships	21,149 18 11																																						
Barlow Lectureship	1,000 0 0																																						
Do. Accumulation of Dividends					19 19 9																																		
Bayliss Scholarship																																							
Berridge																																							
Bucknill Scholarship													9,933 1 7											1,100 (k)															
Bunnell Lewis												1,437 7 1			2,000																								
Campbell Clarke Scholarship									454 9 11	512 15 3																								2,000 (a) (f)			37½			
Carey Foster Prize				4 18 2													143												1,522 0 (a)(r)											
Cluff Memorial Prize																												266 13 4 (a) (l)											
De Morleyns	601 9 3																																						
Derby Scholarship												1,987 10 6							57		2,451 (m)																		
Edwards Professorship					248 7 3		347 16 6																																	
Ellen Watson Scholarship				306 15 3																														4,000 (e) (m)						
Fielden Professors and Scholars					3,290 3 8																																			
Geological Museum					14,826 8 2														297		267 2 0																		
Goldsmid Professorships					2,201 8 0														67																				
Goldsmid, Sir F. H., Bart.					10 13 10																														100				
Grant (Zool. Library)																												7,423 6 8 (a) (l)											
Griffith																																							
Grote Professorship						50 0 0																																1,657 0 5		
Halfon Prizes																																							
Head Prize	179 13 6																																						
Heimann Medal																																							
Hollier Scholarships	4,907 11 10																																						
Do. Examination	1,200 0 0																																						
Holme			12,400 0 0																																				
Hume Memorial Scholarships					180 8 0	1,247 17 0																																		
Do. Accumulation of Dividends					575 11 1	70 14 6																																		
Jews' Commemoration Scholarship	1,000 0 0																																						
Do. Do. Accumulation of Dividends				29 8 9		200 0 0																																		
Jodrell Physiology Professorship												7,562 13 11																												
Do. Zoology Professorship																																								
John Oliver Hobbes (Mrs. Craigie) Memorial Scholarship																																								
Library Deposit					88 13 0	127 2 4	90 9 3							1 2																									$2,000	$500
Lloyd Scholarships				310 0 6																																			
Malden Medal and Scholarship					276 8 3	470 6 10																																		
Mayer de Rothschild Exhibition																						66 15 6																	
Melvill Nettleship Prize																																							
Mill Scholarship					314 15 6																																		
Mocatta			1,455 16 6		1,285 1 3																									333									
Morley Medal												22 7 6																											
Morris Bursary					35 9 5																																		
Morris Prize					100 17 8																							470 0 (b)(g)											
Newmarch Lectureship																																							
Peel	1,745 15 1																																	1,524					
Peene						1,480 16 6																																		
Pender Professorship		1,381 15 0																																					
Postgate					62 9 0											50																							
Quain	5,590 2 11		1,368 12 4															8,320		1,000		588 19 11	3,375	2,000 (e) (h)	4,000				2,666 0 (a)(r)		9,440 0 0 (f)								
Quain Law				66 10 9									1,107 9 7																			4,000 0 0 (p)							
Retired Professors	1,301 3 9			196 5 10	2,608 5 11							1,154 1 2												2,100 (e) (j)		3,333					550 0 0 (f)			3,000 (d) (m)				
Ricardo Scholarship						594 19 5																																	
Do. Do. Accumulation of Dividends				24 10 7		701 18 8																																	
Robinson Crabb (Flaxman)																								1,800 (e) (j)															
Schafer Memorial Prize					205 1 2																																		
Sharpey Scholarship			566 16 0		129 0 6																	48 1 9								1,942 8 0 (f)							
Slade Professorship							6,620 2 8																																
Do. Scholarships							9,135 4 1																																
Do. Prizes							2,108 9 3																																
Thompson-Yates																											700											
Trevelyan Goodall Scholarship																																							
Tuffnell Scholarships							5,153 9 9																								811 1 11 (f)							
Warr Bursary					100 17 8																																		
West Scholarship					68 13 3																			600 (e) (j)															
Women's History		72 2 4																																					
Yates Archæology Professorship																																	5,402 (n)						
Do. Geology Professorship																												3,842 0 (n)					1,000 (o)						
Do. Do. Do.																												375 9 (e) (m)											
	46,622 2 1	1,453 17 4	15,791 4 10	7,539 5 5	26,688 12 4	10,630 0 3	30,675 15 10	1,107 9 7	454 9 11	512 15 3	7,562 13 11	4,601 6 3	9,933 1 7	1 2	2,000	50	143	8,320	421	1,000	2,451	97 0 19 2	3,375	7,600	4,000	3,333	700	11,907 0 0	4,658 0 0	333	16,743 9 11	6,402	1,524	9,000	100	100	37 10	1,657 0 5	$2,000	$500

* In addition the College receives for the same purpose from the Bawden Trustees the Income upon £16,000.

(a) 3 %. (b) 3½ %. (c) 4 %. (d) 4½ %. (e) 5 %. (f) Debenture Stock. (g) Preference Stock. (h) Rent Charge Stock. (j) Consolidated Guaranteed Stock. (k) Consolidated Ordinary Stock.
(l) Perpetual Debenture Stock. (m) Consolidated Preference Stock. (n) Consolidated Stock. (o) Preferential Consolidated Stock. (p) Perpetual Guaranteed Preferential Stock. (r) Perpetual Debenture Consolidated Stock.

2nd December, 1909.

G. WALTER KNOX, B.Sc., F.C.A., *Auditor to the University.*

Standing at a Book value of £271,703 18s. 9d., but, at valuations within the market prices of the day, of an approximate value of £324,456.

Standing at a Book value of £18,181, but, at valuations within the market prices of the day, of an approximate value of £18,181.